WALK BEHIND SNOWTHROWER
PARTS MANUAL

Simplicity®

Sno-Away Models

8-60 Model

8-70 Model

9-70 Model

10-80 Model

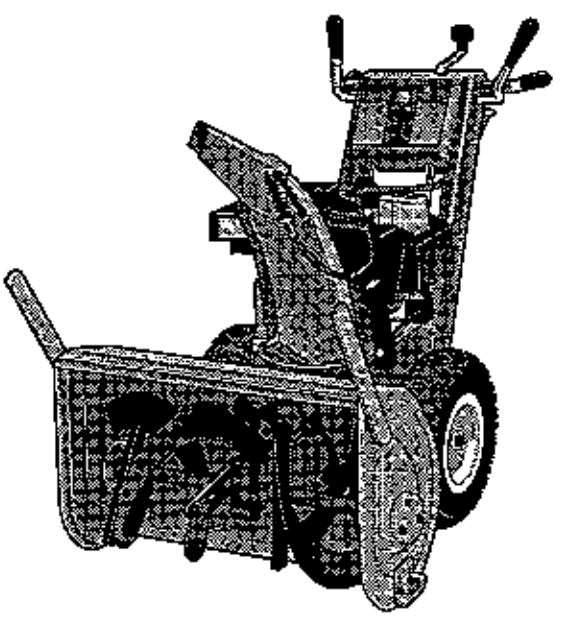


Table of Contents

ENGINE & FRAME GROUP
- Mfg. Nos. 1691898, 1691899, 1691947, 1691948 2
- Mfg. Nos. 1691900, 1692469 4

HANDLE & CONTROL GROUP
- Mfg. Nos. 1691898, 1691899, 1691947, 1691948 6
- Mfg. Nos. 1691900, 1692469. 10

TRACTION DRIVE GROUP 14

AUGER HOUSING & CHUTE GROUP
- Mfg. Nos. 1691898, 1691899, 1691947, 1691948 18
- Mfg. Nos. 1691900, 1692469. 20

AUGER DRIVE GROUP 22

TIRE & WHEEL GROUP 24

DECAL GROUP 26

HEADLIGHT GROUP (Mfg. No. 1686665) 28

DRIFT CUTTER KIT (Mfg. No. 1685189) 28

PROTECTOR® SNOW CAB 30

12 VOLT STARTER (Mfg. No. 1691724) 32

PART NUMBER INDEX A1

TORQUE SPEFICATION CHART ..... Inside rear cover

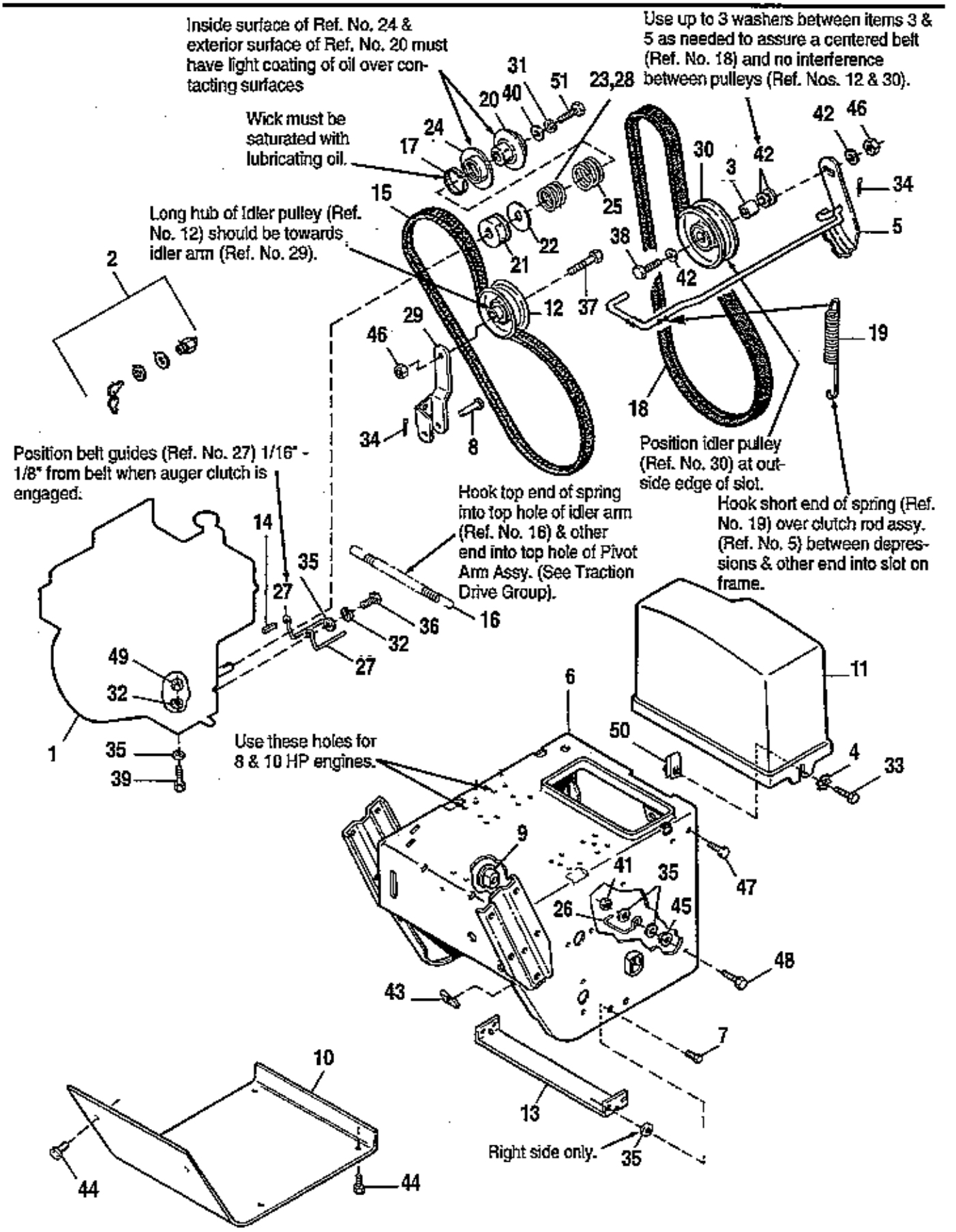
This parts manual covers the following Manufacturer's Numbers:

SNO-AWAY 8-60
Mfg. No. 1691900, from Serial No. 11508 & up
Mfg. No. 1692469

SNO-AWAY 8-70
Mfg. No. 1691898, from Serial No. 2835 & up
Mfg. No. 1691947, from Serial No. 1106 & up

SNO-AWAY 9-70
Mfg. No. 1692569
Mfg. No. 1692570

SNO-AWAY 10-80
Mfg. No. 1691899, from Serial No. 1941 & up
Mfg. No. 1691948, from Serial No. 1216 & up


Inside surface of Ref. No. 24 & exterior surface of Ref. No. 20 must have light coating of oil over contacting surfaces
Use up to 3 washers between items 3 & 5 as needed to assure a centered belt (Ref. No. 18) and no interference between pulleys (Ref. Nos. 12 & 30).
Wick must be saturated with lubricating oil.
Long hub of Idler pulley (Ref. No. 12) should be towards idler arm (Ref. No. 29).
Position belt guides (Ref. No. 27) 1/16" - 1/8" from belt when auger clutch is engaged.
Hook top end of spring into top hole of idler arm (Ref. No. 16) & other end into top hole of Pivot Arm Assy. (See Traction Drive Group).
Position idler pulley (Ref. No. 30) at outside edge of slot.
Hook short end of spring (Ref. No. 19) over clutch rod assy. (Ref. No. 5) between depressions & other end into slot on frame.
Use these holes for 8 & 10 HP engines.
Right side only.
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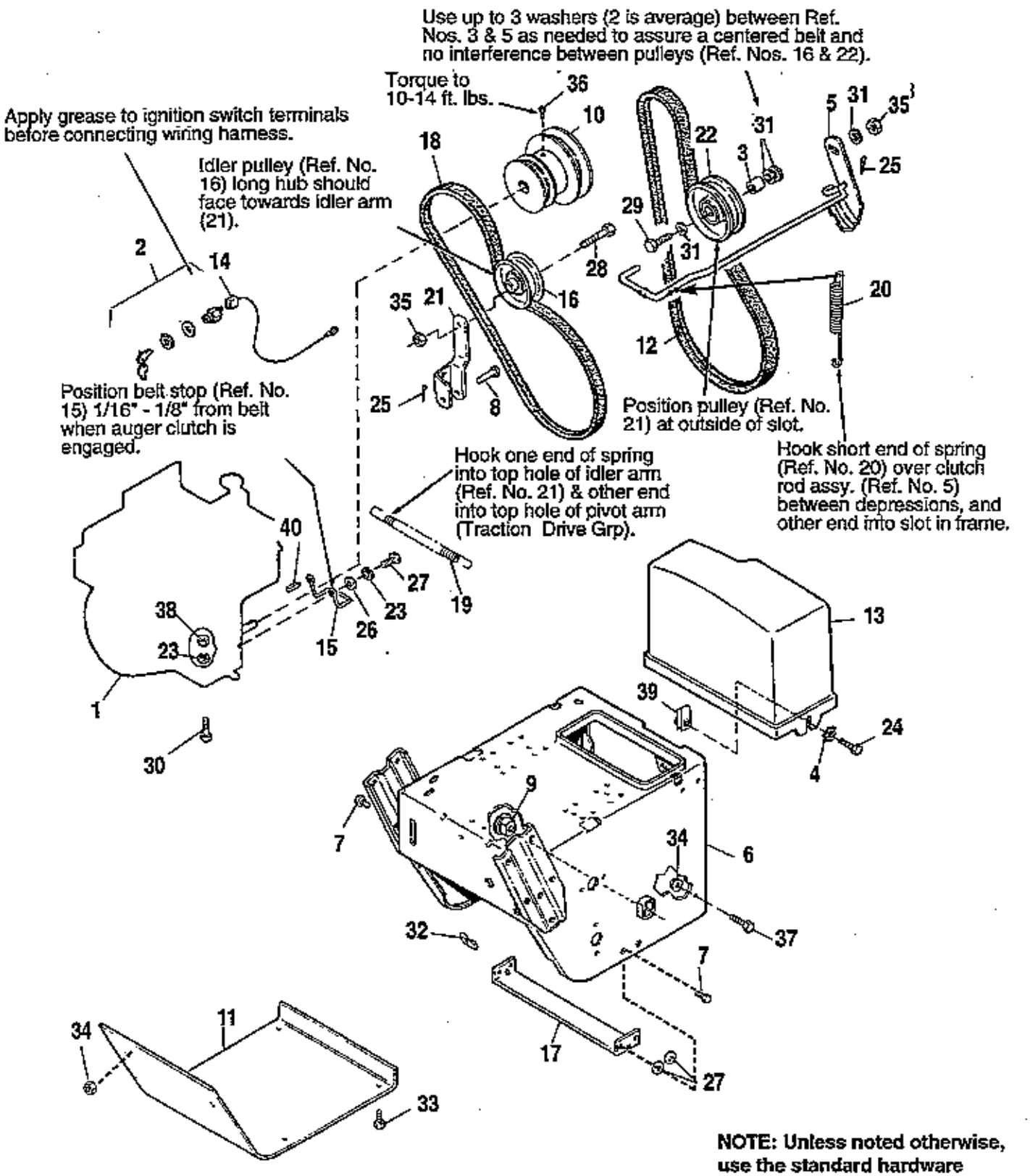
Engine & Frame

REF. NO.	PART NO.	QTY.	DESCRIPTION
1	*	1	ENGINE, Tecumseh
2	*	1	IGNITION SWITCH ASSY.
3	157081	1	SPACER
4	920426	2	LOCKWASHER, Ext. Tooth, 5/16
5	1612200	1	CLUTCH ROD & BRAKE ASSY.
6	1612458	1	FRAME, Main
7	1664847	4	SCREW, Taptite, 5/16-18 x 3/8
8	1665994	1	PIN
9	1666001	2	BUSHING, Axle
10	1666374	1	COVER, Bottom
11	1667516	1	GUARD, Belt
12	1668477	1	PULLEY, Idler
13	1669198	1	SUPPORT, Tie Bar
14	1672129	1	KEY, Parallel, 3/16 x 13/16 x 7/8
15	1672732	1	BELT, Traction
16	1672735	1	SPRING, Idler
17	1685366	1	WICK, Oil
18	1701257	1	BELT, Auger Drive
19	1701595	1	SPRING, Extension
20	1701776	1	PULLEY, Half, Drive
21	1701783	1	PULLEY, Traction
22	1701818	1	WASHER, Thrust
23	1701849	1	SPRING, Compression (Model 10-80)
24	1702017	1	PULLEY, Half
25	1702425	1	SPRING, Compression
26	1702969	2	BELT GUIDE
27	1702970	2	BELT GUIDE
28	1702979	1	SPRING, Compression (Model 8-70 & 9-70)
29	1703046	1	ARM, Idler, Traction
30	1708030	1	PULLEY ASSY.
31	1916965	1	LOCKWASHER, Spring, 3/8
32	1917356	6	LOCKWASHER, 5/16
33	1918249	2	SCREW, Truss Hd., 5/16-18 x 3/4
34	1918451	2	PIN,Cotter,1/8 x 3/4
35	1919326	7	WASHER,11/32 x 3/4
36	1921515	2	CAPSCREW, Hex. Hd., 5/16-24 x 3/4
37	1921969	1	CAPSCREW, Hex Hd., 3/8-16 x 1-1/2
38	1921971	1	CAPSCREW, Hex Hd., 3/8-16 x 1-3/4
39	1922127	4	CAPSCREW, Hex Hd., 5/16-18 x 2
40	1922755	1	WASHER,13/32 x 1
41	1923362	2	NUT, Hex, Centerlock, 5/16-18
42	1924940	3	WASHER, Flat, 13/32
43	1926018	6	NUT, Speed, 1/4-20
44	1927428	6	SCREW, Taptite, 1/4-20 x 3/8
45	1927557	4	NUT, Hex, Whizlock, 5/16-18
46	1928731	2	LOCKNUT, Jam, 3/8-16
47	1930591	4	CAPSCREW, Whizlock, 5/16-18 x 3/4
48	1930595	2	CAPSCREW, Whizlock, 5/16-18 x 1-1/4
49	1931277	4	NUT, Hex, 5/16-18
50	1935255	2	NUT, Speed, 5/16-18
51	1960345	1	CAPSCREW, Hex Hd., 3/8-24 x 2

*** See your local Tecumseh distributor for parts and service.**

NOTE: Use Simplicity SAE 5W-30 Cold Weather Engine Oil.



NOTE: Unless noted otherwise, use the standard hardware torque specification chart (see table of contents).

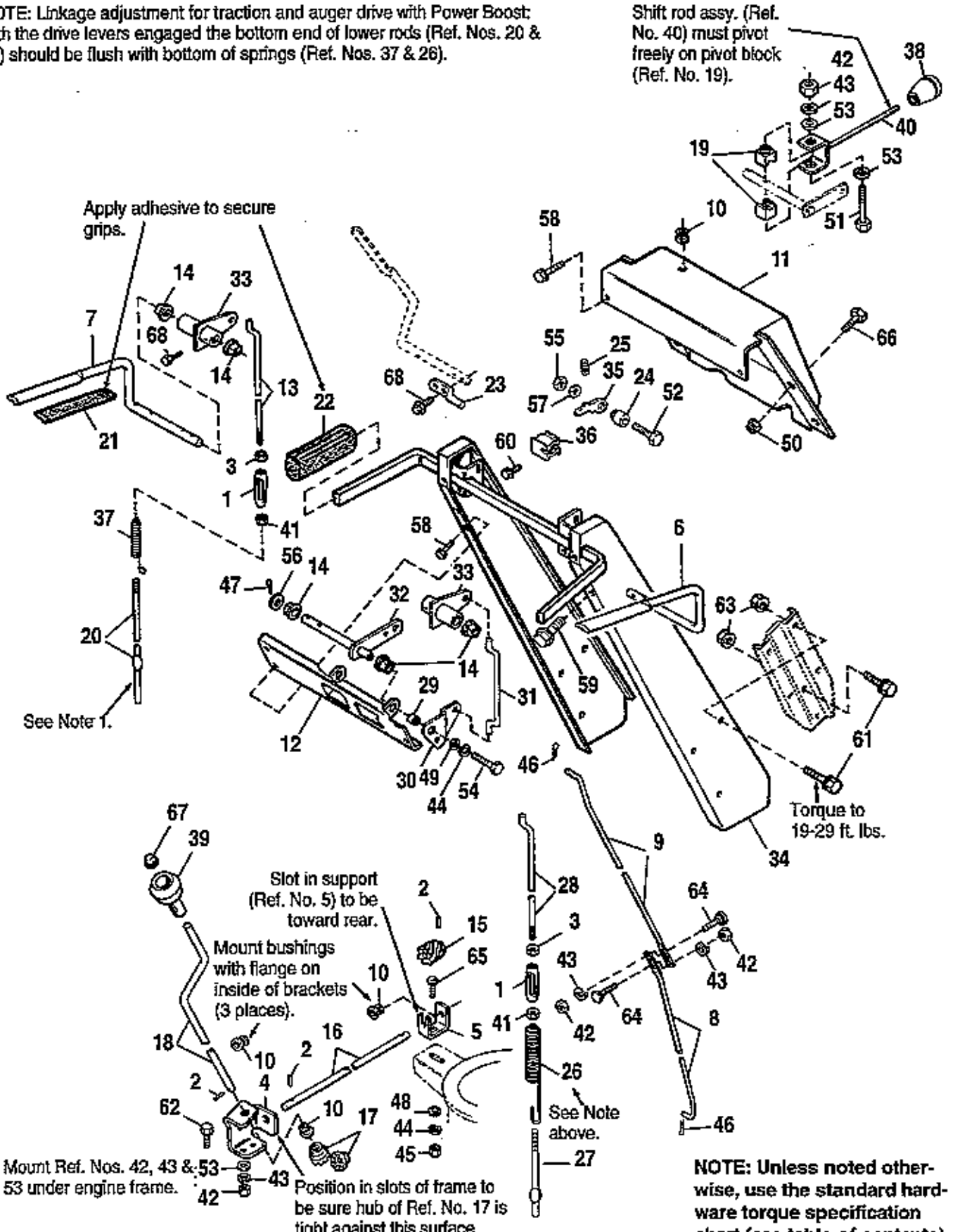
Engine & Frame

REF. NO.	PART NO.	QTY.	DESCRIPTION
1	*	1	ENGINE, Tecumseh
2	*	1	IGNITION SWITCH ASSY.
3	157081	1	SPACER
4	920426	2	LOCKWASHER, Ext. Tooth, 5/16
5	1612200	1	CLUTCH ROD & BRAKE ASSY.
6	1612458	1	FRAME, Main
7	1664847	4	SCREW, Taptite, 5/16-18 x 3/8
8	1665994	1	PIN
9	1666001	2	BUSHING, Axle
10	1666109	1	PULLEY, Double
11	1666374	1	COVER, Bottom
12	1666655	1	BELT, Auger Drive
13	1667516	1	GUARD, Belt
14	1667700	1	WIRE, Ground
15	1668174	1	BELT GUIDE
16	1668477	1	PULLEY, Idler
17	1669198	1	SUPPORT, Tie Bar
18	1672732	1	BELT, Traction
19	1672735	1	SPRING, Idler
20	1701595	1	SPRING, Extension
21	1703046	1	ARM, Idler, Traction
22	1708030	1	PULLEY ASSY.
23	1917356	6	LOCKWASHER, 5/16
24	1918249	2	SCREW, Truss Hd., 5/16-18 x 3/4
25	1918451	2	PIN,Cotter, 1/8 x 3/4
26	1919326	7	WASHER, 11/32 x 3/4
27	1921515	2	CAPSCREW, Hex. Hd., 5/16-24 x 3/4
28	1921969	1	CAPSCREW, Hex Hd., 3/8-16 x 1-1/2
29	1921971	1	CAPSCREW, Hex Hd., 3/8-16 x 1-3/4
30	1922127	4	CAPSCREW, Hex Hd., 5/16-18 x 2
31	1924940	3	WASHER, Flat,13/32
32	1926018	6	NUT, Speed, 1/4-20
33	1927428	6	SCREW, Taptite, 1/4-20 x 3/8
34	1927557	4	NUT, Hex, Whizlock, 5/16-18
35	1928731	2	LOCKNUT, Jam, 3/8-16
36	1930540	1	SETSCREW, Socket Hd., 5/16-18 x 5/8
37	1930591	4	CAPSCREW, Whizlock, 5/16-18 x 3/4
38	1931277	4	NUT, Hex, 5/16-18
39	1935255	2	NUT, Speed, 5/16-18
40	8221042	1	KEY, 3/16 x 3/16 x 1-1/2

*** See your local Tecumseh distributor for parts and service.**

NOTE: Use Simplicity SAE 5W-30 Cold Weather Engine Oil.

NOTE: Linkage adjustment for traction and auger drive with Power Boost: with the drive levers engaged the bottom end of lower rods (Ref. Nos. 20 & 27) should be flush with bottom of springs (Ref. Nos. 37 & 26).


Shift rod assy. (Ref. No. 40) must pivot freely on pivot block (Ref. No. 19).
Apply adhesive to secure grips.
See Note 1.
Slot in support (Ref. No. 5) to be toward rear.
Mount bushings with flange on inside of brackets (3 places).
See Note above.
Torque to 19-29 ft. lbs.
Mount Ref. Nos. 42, 43 & 53 under engine frame.
Position in slots of frame to be sure hub of Ref. No. 17 is tight against this surface.

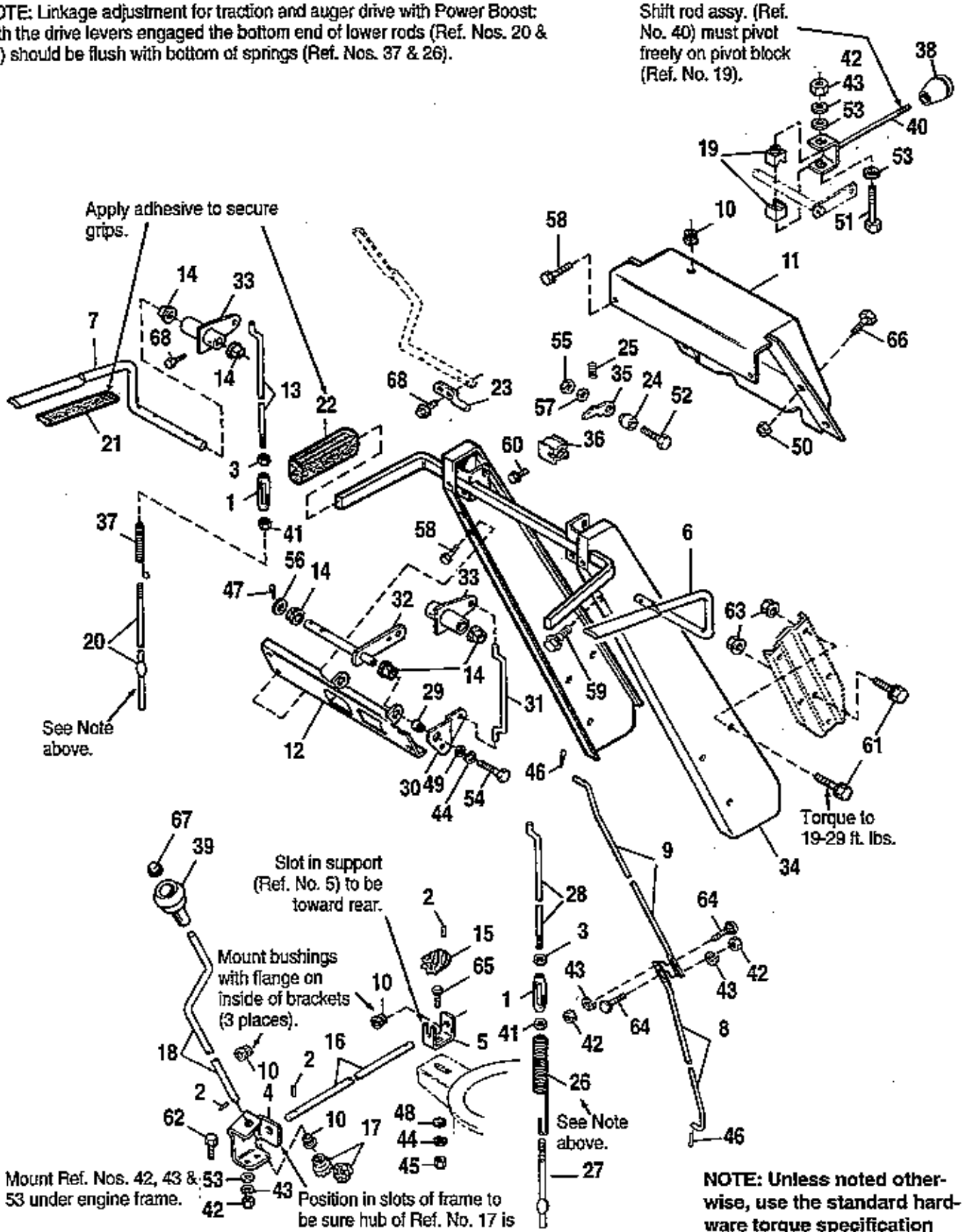
NOTE: Unless noted otherwise, use the standard hardware torque specification chart (see table of contents).

Handle & Controls

REF. NO.	PART NO.	QTY.	DESCRIPTION
1	108775	2	TURNBUCKLE
2	916168	3	PIN, Roll,1/8 x 3/4
3	928704	2	NUT, Hex, #10-24, LH
4	1611910	1	SUPPORT, Universal Gear
5	1611911	1	SUPPORT, Worm
6	1612165	1	HANDLE, Clutch RH
7	1612167	1	HANDLE, Clutch, LH
8	1666255	1	ROD, Shift-Lower
9	1666256	1	ROD, Shift-Upper
10	1667588	4	BUSHING, Plastic
11	1667800	1	DASH, Handle
12	1668050	1	BRACKET, Shift Control
13	1668121	2	ROD, Clutch-Upper
14	1668185	5	BUSHING, Plastic
15	1668186	1	WORM, Chute
16	1668187	1	ROD, Chute Worm
17	1668188	2	GEAR, Universal
18	1668189	1	ROD, Chute Control
19	1668524	2	BLOCK, Pivot
20	1668526	1	ROD, Clutch-Lower, Traction
21	1668608	2	GRIP, Clutch
22	1671041	2	GRIP, Handle Bar
23	1677453	1	ROD, Control
24	1678579	1	SPACER, Special
25	1701342	1	SPRING
26	1701996	1	SPRING, Extension
27	1702004	1	ROD, Clutch-Lower, Auger
28	1702485	1	ROD, Clutch-Upper , Auger
29	1702552	1	SPACER
30	1702662	1	LEVER, Clutch
31	1702663	1	ROD, Clutch
32	1703043	1	PIVOT ROD ASSY.
33	1704255	2	CLUTCH LEVER ASSY.
34	1705825	1	HANDLE ASSY.
35	1705898	1	LATCH, Control
36	1705899	1	GUIDE, Control
37	1707452	1	SPRING
38	1713844	1	KNOB
39	1714084	1	KNOB, Spinner
40	1714120	1	SHIFT ROD ASSY.

Ref. Nos. 41 - 68 are on the following page.

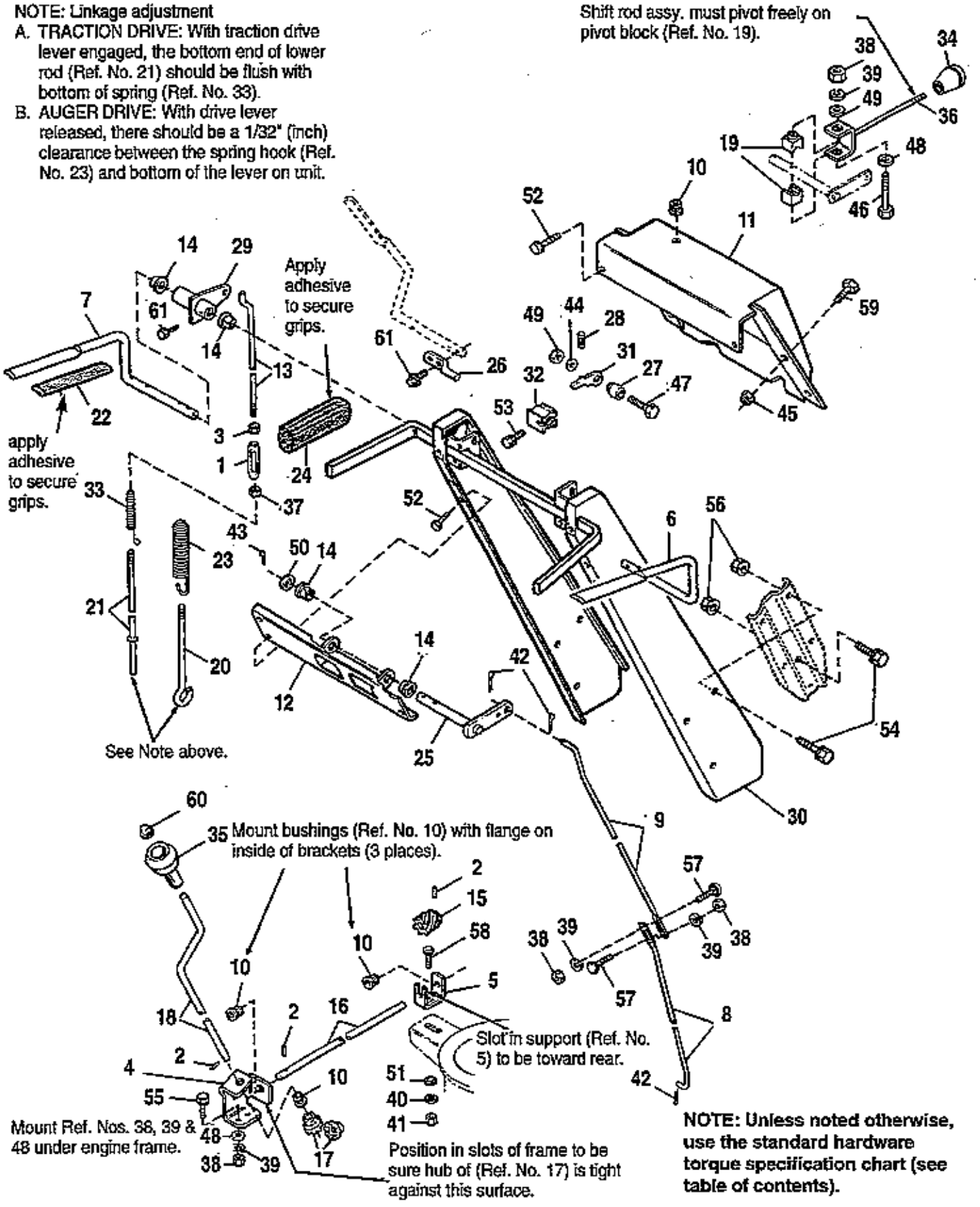
NOTE: Linkage adjustment for traction and auger drive with Power Boost: with the drive levers engaged the bottom end of lower rods (Ref. Nos. 20 & 27) should be flush with bottom of springs (Ref. Nos. 37 & 26).


Shift rod assy. (Ref. No. 40) must pivot freely on pivot block (Ref. No. 19).
Apply adhesive to secure grips.
See Note above.
Slot in support (Ref. No. 5) to be toward rear.
Mount bushings with flange on inside of brackets (3 places).
Mount Ref. Nos. 42, 43 & 53 under engine frame.
Position in slots of frame to be sure hub of Ref. No. 17 is tight against this surface.
See Note above.
Torque to 19-29 ft. lbs.

NOTE: Unless noted otherwise, use the standard hardware torque specification chart (see table of contents).

REF. NO.	PART NO.	QTY.	DESCRIPTION
41	1916621	2	NUT, Hex, #10-24, RH
42	1916622	5	NUT, Hex, 1/4-20
43	1916964	5	LOCKWASHER,1/4
44	1917356	8	LOCKWASHER, 5/16
45	1917372	7	NUT, Hex, 5/16-18
46	1918447	3	PIN Cotter
47	1918452	2	PIN, Cotter, 1/8 x 1
48	1919326	2	WASHER, Flat,11/32
49	1919381	1	WASHER, Plain, 5/16 x 1
50	1920397	4	NUT, Nylon Lock, 1/4-20
51	1921159	1	CAPSCREW, Hex Hd., 1/4-20 x 2-1/4
52	1921221	1	CAPSCREW, Hex Hd., 5/16-18 x 1-1/2
53	1921319	4	WASHER, Flat, 9/32
54	1922127	1	CAPSCREW, Hex Hd., 5/16-18 x 1-3/4
55	1923362	1	NUT, Hex, Lock, 5/16-18
56	1924361	1	WASHER
57	1924940	1	WASHER, 13/32
58	1925003	6	SCREW, Taptite,1/4-20 x 1/2
59	1927429	2	SCREW, Hex, Washer Hd., Taptite, 1/4-20 x 3/8
60	1928732	2	SCREW, Taptite, #10-32 x 1.00
61	1930591	6	CAPSCREW, Whizlock, 5/16-18 x 3/4
62	1930594	2	CAPSCREW, Hex Hd., 1/4-20 x 3/4
63	1931277	6	NUT, Hex, Flange, Whizlock, 5/16-18
64	1931317	2	CARRIAGE BOLT,1/4-20 x 3/4
65	1931333	1	CARRIAGE BOLT, 5/16-18 x 3/4
66	1935450	4	CAPSCREW, Washer Hd., 1/4-20 x 3/4
67	1960093	1	PALNUT
68	1960471	4	SCREW, Taptite, #12-24 x 1

Ref. Nos. 1 - 40 are on the preceding page.


NOTE: Linkage adjustment
A. TRACTION DRIVE: With traction drive lever engaged, the bottom end of lower rod (Ref. No. 21) should be flush with bottom of spring (Ref. No. 33).
B. AUGER DRIVE: With drive lever released, there should be a 1/32" (inch) clearance between the spring hook (Ref. No. 23) and bottom of the lever on unit.
Shift rod assy. must pivot freely on pivot block (Ref. No. 19).
Apply adhesive to secure grips.
apply adhesive to secure grips.
See Note above.
Mount bushings (Ref. No. 10) with flange on inside of brackets (3 places).
Slot in support (Ref. No. 5) to be toward rear.
Mount Ref. Nos. 38, 39 & 48 under engine frame.
Position in slots of frame to be sure hub of (Ref. No. 17) is tight against this surface.
NOTE: Unless noted otherwise, use the standard hardware torque specification chart (see table of contents).

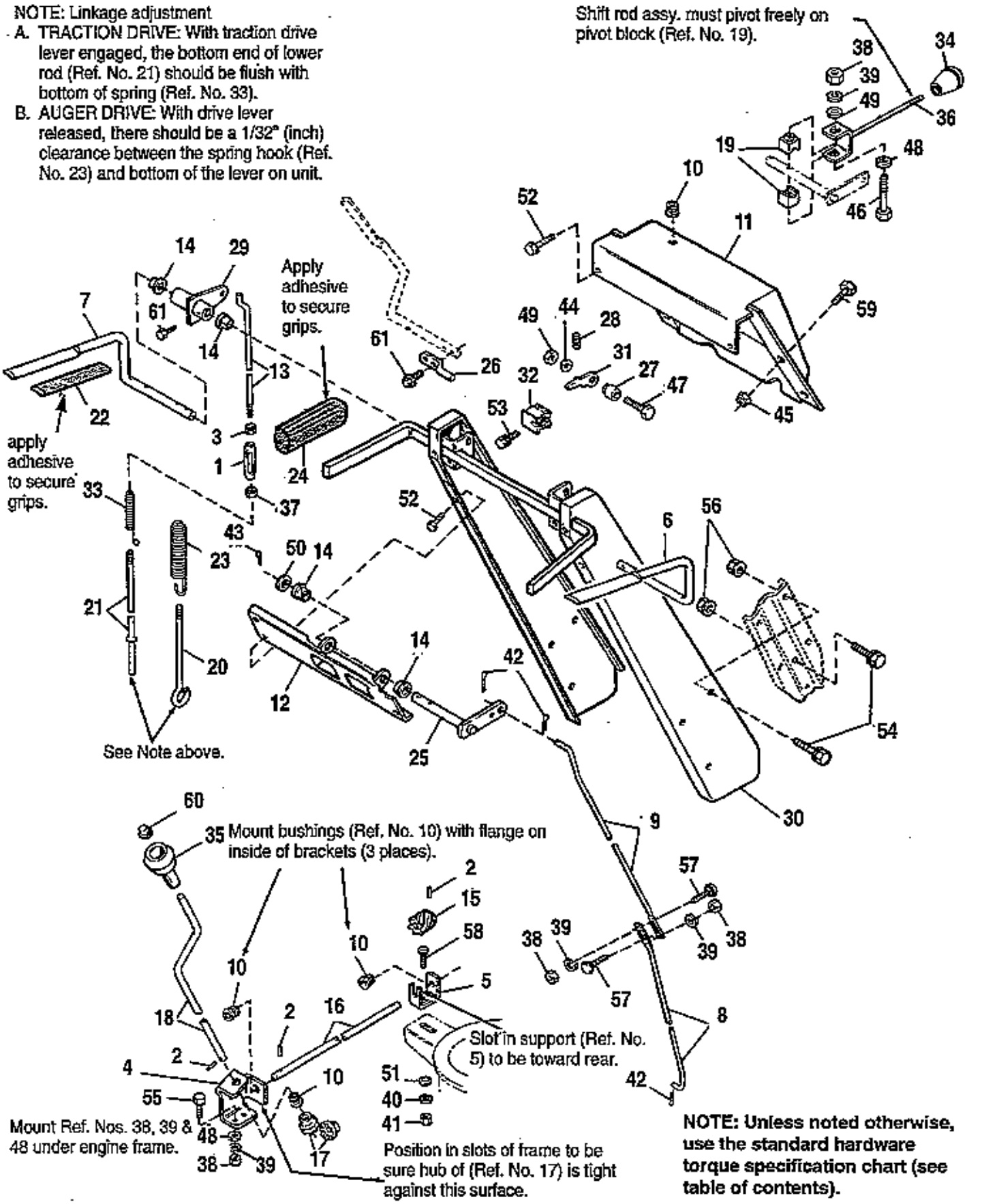
REF. NO.	PART NO.	QTY.	DESCRIPTION
1	108775	2	TURNBUCKLE
2	916168	3	PIN, Roll, 1/8 x 3/4
3	928704	2	NUT, Hex, #10-24, LH
4	1611910	1	SUPPORT, Universal Gear
5	1611911	1	SUPPORT, Worm
6	1612165	1	HANDLE, Clutch RH
7	1612167	1	HANDLE, Clutch, LH
8	1666255	1	ROD, Shift, Lower
9	1666256	1	ROD, Shift, Upper
10	1667588	4	BUSHING, Plastic
11	1667800	1	DASH, Handle
12	1668050	1	BRACKET, Shift Control
13	1668121	2	ROD, Clutch-Upper
14	1668185	5	BUSHING, Plastic
15	1668186	1	WORM, Chute
16	1668187	1	ROD, Chute Worm
17	1668188	2	GEAR, Universal
18	1668189	1	ROD, Chute Control
19	1668524	2	BLOCK, Pivot
20	1668525	1	ROD, Clutch-Lower, Auger
21	1668526	1	ROD, Clutch-Lower, Traction
22	1668608	2	GRIP, Clutch
23	1669323	1	SPRING, Extension
24	1671041	2	GRIP, Handle Bar
25	1674567	1	PIVOT ROD ASSY.
26	1677453	1	ROD, Control
27	1678579	1	SPACER, Special
28	1701342	1	SPRING
29	1704255	2	CLUTCH LEVER ASSY.
30	1705825	1	HANDLE ASSY.
31	1705898	1	LATCH, Control
32	1705899	1	GUIDE, Control
33	1707452	1	SPRING
34	1713844	1	KNOB
35	1714084	1	KNOB, Spinner
36	1714120	1	SHIFT ROD ASSY.
37	1916621	2	NUT, Hex, #10-24, RH
38	1916622	5	NUT, Hex, 1/4-20
39	1916964	5	LOCKWASHER, 1/4
40	1917356	7	LOCKWASHER, 5/16

Ref. Nos. 41 - 61 are on the following page.

NOTE: Linkage adjustment

A. TRACTION DRIVE: With traction drive lever engaged, the bottom end of lower rod (Ref. No. 21) should be flush with bottom of spring (Ref. No. 33).

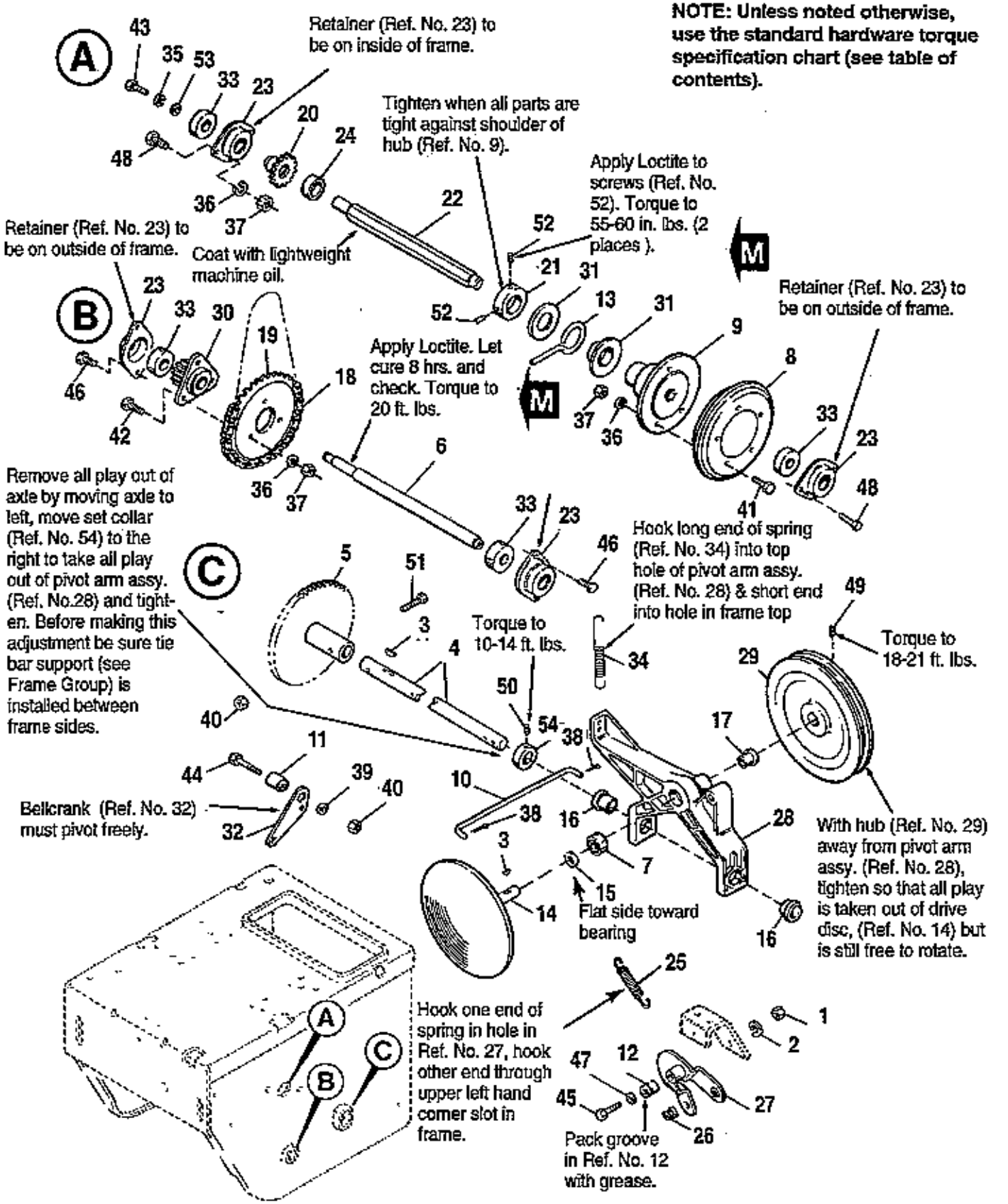
B. AUGER DRIVE: With drive lever released, there should be a 1/32" (inch) clearance between the spring hook (Ref. No. 23) and bottom of the lever on unit.


Shift rod assy. must pivot freely on pivot block (Ref. No. 19).
Apply adhesive to secure grips.
apply adhesive to secure grips.
See Note above.
Mount bushings (Ref. No. 10) with flange on inside of brackets (3 places).
Slot in support (Ref. No. 5) to be toward rear.
Mount Ref. Nos. 38, 39 & 48 under engine frame.
Position in slots of frame to be sure hub of (Ref. No. 17) is tight against this surface.

NOTE: Unless noted otherwise, use the standard hardware torque specification chart (see table of contents).

REF. NO.	PART NO.	QTY.	DESCRIPTION
41	1917372	7	NUT, Hex, 5/16-18
42	1918447	3	PIN, Cotter
43	1918452	1	PIN, Cotter, 1/8 x 1
44	1919326	1	WASHER, Plain, 11/32
45	1920397	4	NUT, Nylon Lock, 1/4-20
46	1921159	1	CAPSCREW, Hex Hd., 1/4-20 x 2-1/4
47	1921221	1	CAPSCREW, Hex Hd., 5/16-18 x 1-1/2
48	1921319	4	WASHER, Flat, 9/32
49	1923362	2	NUT, Hex Lock, 5/16-18
50	1924361	1	WASHER
51	1924940	1	WASHER, Flat,13/32
52	1925003	6	SCREW, Taptite, 1/4-20 x 1/2
53	1928732	1	SCREW, Taptite, #10-24 x 1
54	1930591	6	CAPSCREW, Whizlock, 5/16-18 x 3/4
55	1930594	2	CAPSCREW, Hex Hd.,1/4-20 x 3/4
56	1931277	6	NUT, Hex, Flange Whizlock, 5/8-18
57	1931317	2	CARRIAGE BOLT,1/4-20 x 3/4
58	1931333	1	CARRIAGE BOLT, 5/16-18 x 3/4
59	1935450	4	CAPSCREW, Washer Hd., 1/4-20 x 3/4
60	1960093	1	PALNUT
61	1960471	4	SCREW, Taptite, #10-24 x 1

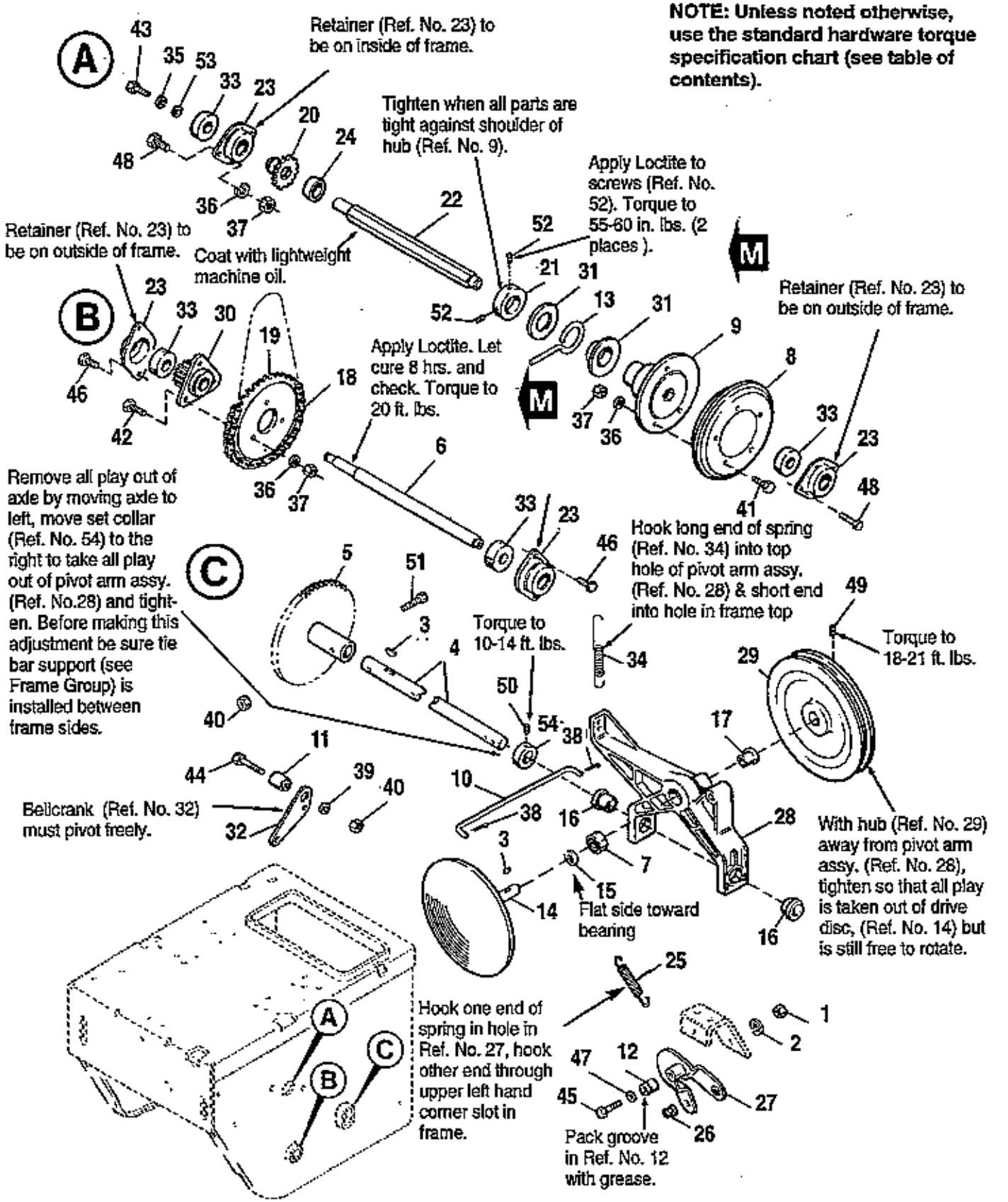
Ref. Nos. 1 - 40 are on the preceeding page.


NOTE: Unless noted otherwise, use the standard hardware torque specification chart (see table of contents).
Retainer (Ref. No. 23) to be on inside of frame.
Tighten when all parts are tight against shoulder of hub (Ref. No. 9).
Apply Loctite to screws (Ref. No. 52). Torque to 55-60 in. lbs. (2 places).
Retainer (Ref. No. 23) to be on outside of frame.
Coat with lightweight machine oil.
Apply Loctite. Let cure 8 hrs. and check. Torque to 20 ft. lbs.
Retainer (Ref. No. 23) to be on outside of frame.
Remove all play out of axle by moving axle to left, move set collar (Ref. No. 54) to the right to take all play out of pivot arm assy. (Ref. No.28) and tighten. Before making this adjustment be sure tie bar support (see Frame Group) is installed between frame sides.
Hook long end of spring (Ref. No. 34) into top hole of pivot arm assy. (Ref. No. 28) & short end into hole in frame top
Torque to 10-14 ft. lbs.
Torque to 18-21 ft. lbs.
Bellcrank (Ref. No. 32) must pivot freely.
With hub (Ref. No. 29) away from pivot arm assy. (Ref. No. 28), tighten so that all play is taken out of drive disc, (Ref. No. 14) but is still free to rotate.
Flat side toward bearing
Hook one end of spring in hole in Ref. No. 27, hook other end through upper left hand corner slot in frame.
Pack groove in Ref. No. 12 with grease.
A
B
C
M

Traction Drive

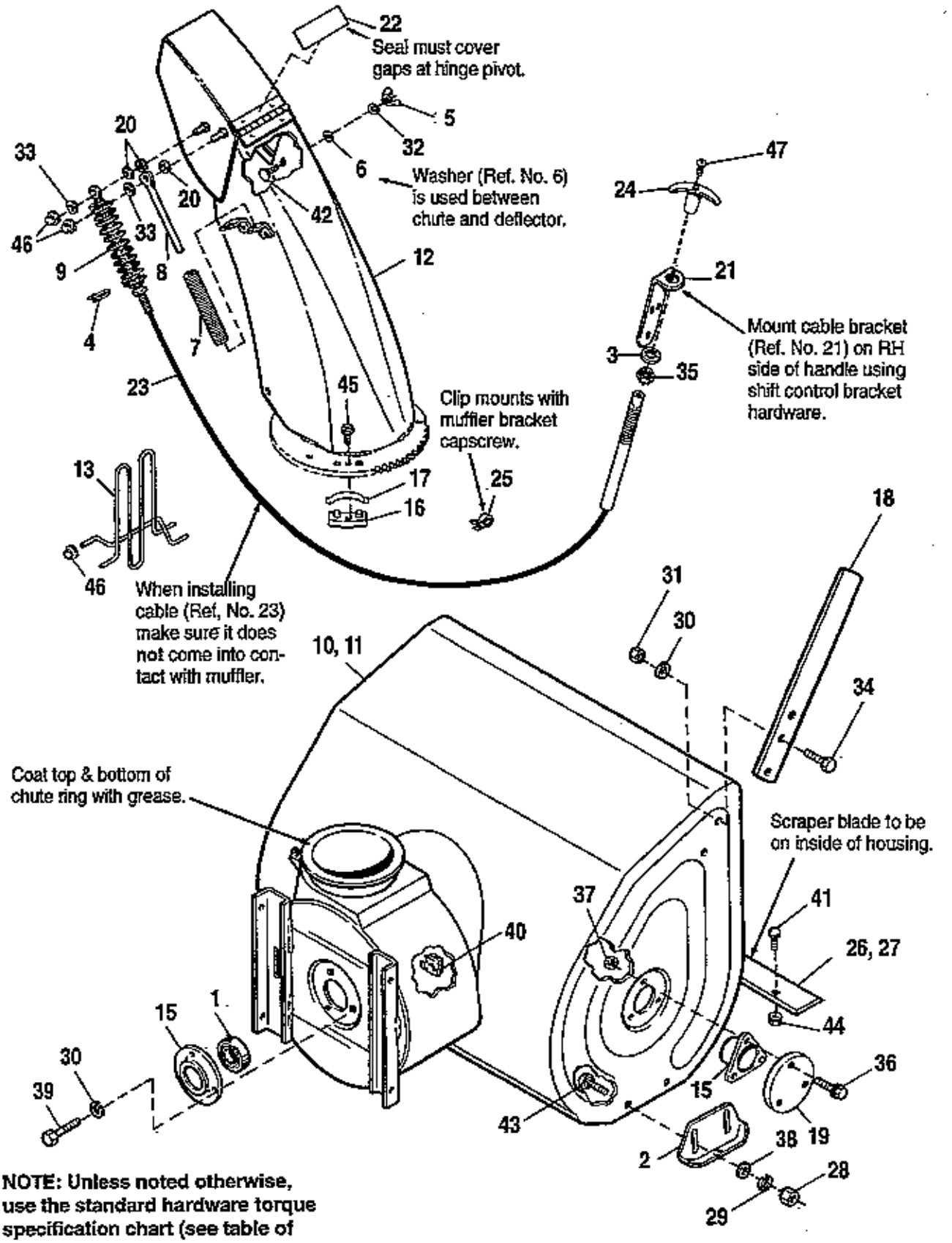
REF. NO.	PART NO.	QTY.	DESCRIPTION
1	916950	1	NUT, Hex, 3/8-16
2	916965	1	LOCKWASHER, 3/8
3	918312	2	KEY, Woodruff, 3/16 x 5/8
4	1612084	1	AXLE
5	1612086	1	GEAR ASSY.
6	1612160	1	JACKSHAFT
7	1665521	1	BEARING
8	1665975	1	DISC, Friction
9	1665995	1	HUB, Friction Disc
10	1666105	1	ROD, Pivot
11	1666106	1	BUSHING, Pivot
12	1666114	1	BUSHING, Spacer
13	1666207	1	PIN, Slide
14	1666230	1	DISC, Drive
15	1666379	1	WASHER
16	1666425	2	BUSHING
17	1666855	1	BUSHING
18	1666980	1	CHAIN, Drive
19	1667330	1	SPROCKET, 36 Tooth
20	1667331	1	SPROCKET, 10 Tooth
21	1667335	1	SET COLLAR
22	1667340	1	SHAFT, Hex
23	1667341	4	RETAINER, Bearing
24	1667501	1	SPACER
25	1668255	1	SPRING
26	1669255	1	BUSHING, Ball
27	1669256	1	ARM ASSY., Shift w/Bushings (Includes Ref. No. 26)
28	1670849	1	ARM ASSY., Pivot w/Bushings
29	1672595	1	PULLEY, Traction
30	1672775	1	GEAR & BEARING ASSY., 10 Tooth
31	1678956	2	COLLAR, Thrust
32	1700473	1	BELLCRANK
33	1705897	4	BEARING
34	1707002	1	SPRING
35	1916964	1	LOCKWASHER, 1/4
36	1917356	10	LOCKWASHER, 5/16
37	1917372	10	NUT, Hex, 5/16-18
38	1918451	2	PIN, Cotter, 1/8 x 3/4
39	1919326	1	WASHER, Flat, 11/32
40	1919438	2	NUT, Hex, Lock, 5/16-18

Ref. Nos. 41 - 54 are on the following page.


NOTE: Unless noted otherwise, use the standard hardware torque specification chart (see table of contents).
Retainer (Ref. No. 23) to be on inside of frame.
Tighten when all parts are tight against shoulder of hub (Ref. No. 9).
Apply Loctite to screws (Ref. No. 52). Torque to 55-60 in. lbs. (2 places).
Retainer (Ref. No. 23) to be on outside of frame.
Coat with lightweight machine oil.
Retainer (Ref. No. 28) to be on outside of frame.
Apply Loctite. Let cure 8 hrs. and check. Torque to 20 ft. lbs.
Remove all play out of axle by moving axle to left, move set collar (Ref. No. 54) to the right to take all play out of pivot arm assy. (Ref. No.28) and tighten. Before making this adjustment be sure tie bar support (see Frame Group) is installed between frame sides.
Hook long end of spring (Ref. No. 34) into top hole of pivot arm assy. (Ref. No. 28) & short end into hole in frame top
Torque to 10-14 ft. lbs.
Torque to 18-21 ft. lbs.
Bellcrank (Ref. No. 32) must pivot freely.
With hub (Ref. No. 29) away from pivot arm assy. (Ref. No. 28), tighten so that all play is taken out of drive disc, (Ref. No. 14) but is still free to rotate.
Flat side toward bearing
Hook one end of spring in hole in Ref. No. 27, hook other end through upper left hand corner slot in frame.
Pack groove in Ref. No. 12 with grease.
A
B
C
M

REF. NO.	PART NO.	QTY.	DESCRIPTION
41	1921332	3	CAPSCREW, Hex Hd., 5/16-18 x 3/4
42	1921333	3	CAPSCREW, Hex Hd., 5/16-18 x 1
43	1921959	1	CAPSCREW, Hex Hd., 1/4-20 x 5/8
44	1922127	1	CAPSCREW, Hex Hd., 5/16-18 x 1-3/4
45	1923701	1	CAPSCREW, Hex Hd., 3/8-16 x 2
46	1924856	4	SCREW, Taptite, 5/16-18 x 1/2
47	1924940	1	WASHER, Flat, 13/32
48	1925205	4	CAPSCREW, Hex Hd., 5/16-18 x 5/8
49	1928721	1	SETSCREW, Sq. Hd., 5/16-18 x 1/2
50	1928721	1	SETSCREW, Sq. Hd., 5/16-18 x 1/2
51	1930570	1	CAPSCREW, Hex Hd., 5/16-18 x 1-1/2
52	1960348	2	SETSCREW, Socket Hd., 1/4-20 x 3/8
53	1960353	1	WASHER, Flat, 1/4
54	8021010	1	SET COLLAR

Ref. Nos. 1 - 40 are on the preceding page.

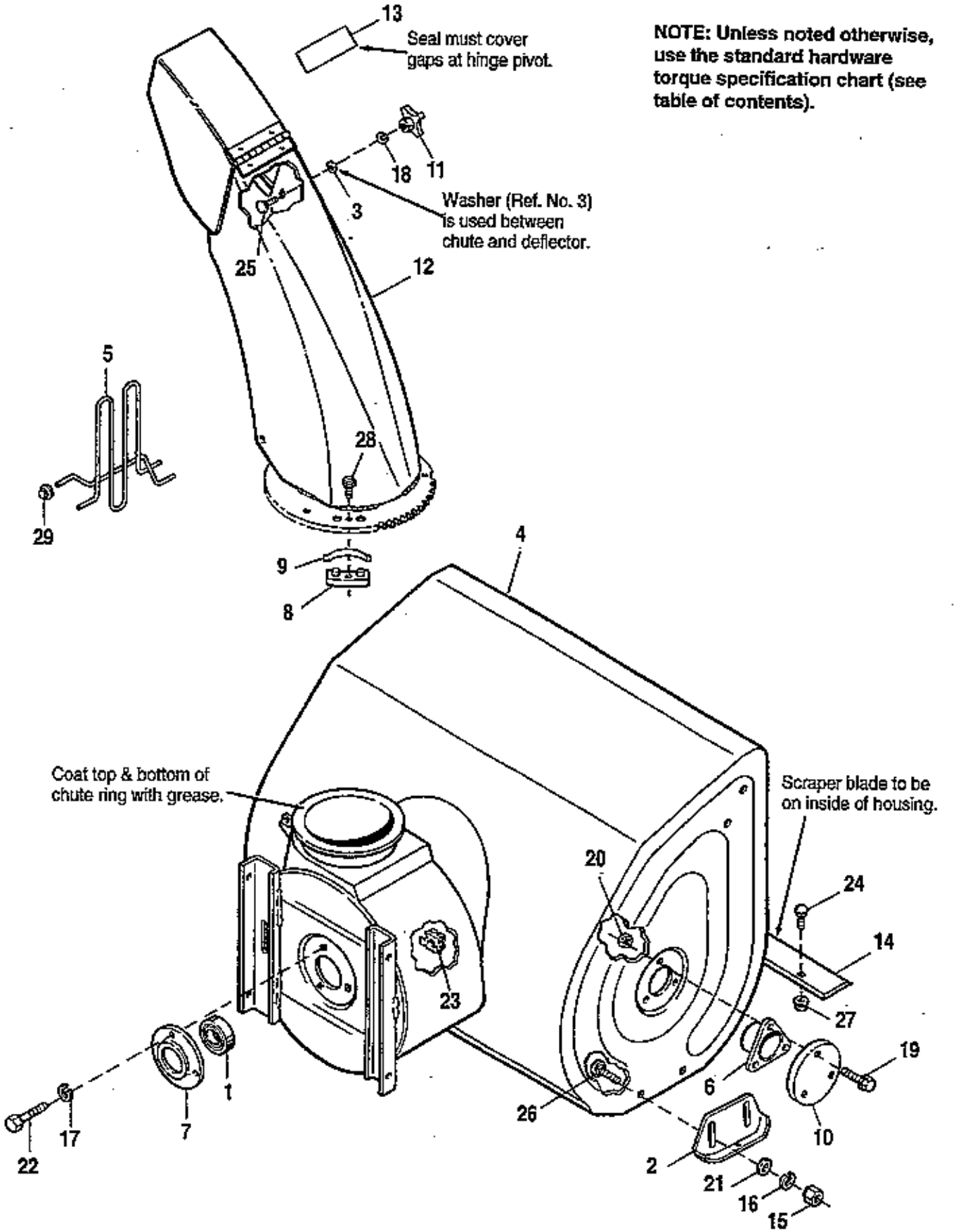


NOTE: Unless noted otherwise, use the standard hardware torque specification chart (see table of contents).

Auger Housing & Chute

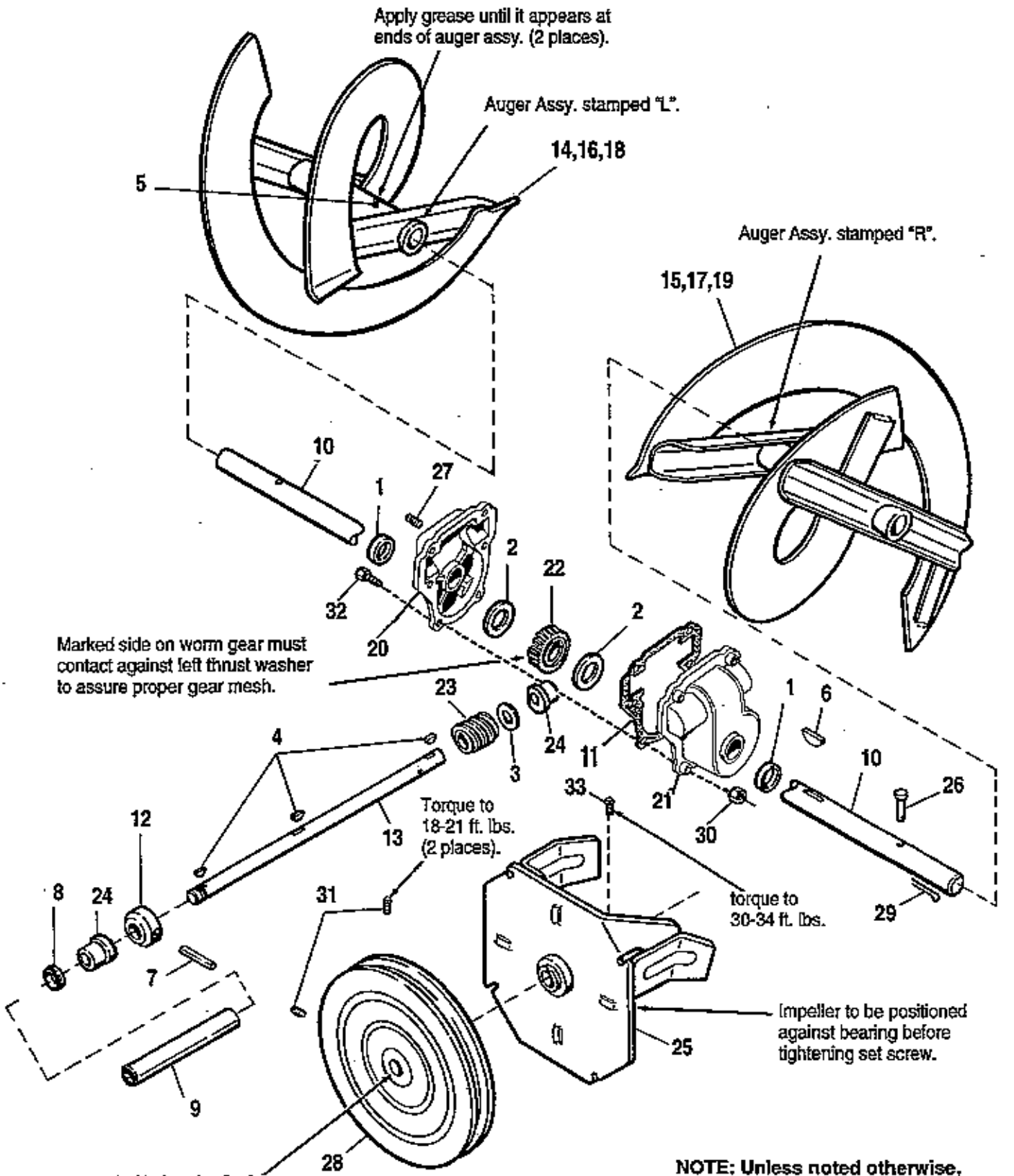
REF. NO.	PART NO.	QTY.	DESCRIPTION
1	108202	1	BEARING, Ball
2	177434	2	SKID
3	918906	1	LOCKWASHER, Int. Tooth
4	932747	2	TIE, Self-Locking, Cable Assy.
5	933126	1	WINGNUT, 5/16-18
6	960210	1	WASHER, Nylon
7	1611939	1	SPRING
8	1611945	1	ROD, Spring
9	1611989	1	BOOT, Water
10	1612185	1	HOUSING ASSY., Auger, 8-70, 9-70
11	1612186	1	HOUSING ASSY., Auger, 10-80
12	1612440	1	CHUTE ASSY.
13	1612455	1	GUARD, Chute
14	1665980	2	BEARING, Auger
15	1665982	1	RETAINER, Bearing
16	1666613	3	HOLD DOWN, Chute
17	1667865	3	SPRING
18	1668171	2	CUTTER, Drift (Available under P/N 1685189, see page 28)
19	1668639	2	BEARING, Cap
20	1702219	3	SPACER
21	1705920	1	BRACKET, Cable
22	1706085	2	SEAL, Hinge
23	1706200	1	CABLE ASSY. (Incl. Ref. Nos. 3, 9, 21 & 36)
24	1706201	1	HANDLE, Cable
25	1708008	1	CLAMP
26	1709947	1	BLADE, Scraper, 8-70, 9-70
27	1709948	1	BLADE, Scraper, 10-80
28	1916950	4	NUT, Hex, 3/8-16
29	1916965	4	LOCKWASHER, 3/8
30	1917356	7	LOCKWASHER, 5/16
31	1917372	4	NUT, 5/16-18
32	1919326	1	WASHER, Flat, 11/32
33	1921319	2	WASHER, Flat
34	1921332	4	CAPSCREW, Hex Hd., 5/16-18 x 3/4
35	1922014	1	NUT, 5/16-18,
36	1923325	6	CAPSCREW, Hex Flange Whizlock, 5/16-18 x 7/8
37	1923362	6	NUT, Hex, Center Lock, 5/16-18
38	1924940	4	WASHER, Flat, 13/32
39	1925205	3	CAPSCREW, Hex Hd., 5/16-18 x 17/64
40	1930659	3	NUT, Retainer, 5/16-18
41	1931332	5	CARRIAGE BOLT, 5/16-18 x 5/8 (Qty. 7 on 10-80)
42	1931333	1	CARRIAGE BOLT, 5/16-18 x 3/4
43	1931348	4	CARRIAGE BOLT, 3/8-16 x 3/4
44	1935048	5	LOCKNUT, Flange, 5/16-18 (Qty. 7 on 10-80)
45	1960001	3	SCREW, Plastite #10
46	1960126	4	PUSH NUT
47	1960499	1	SCREW, Pan Hd., #8-32 x 11/16

NOTE: Unless noted otherwise, use the standard hardware torque specification chart (see table of contents).



Auger Housing & Chute

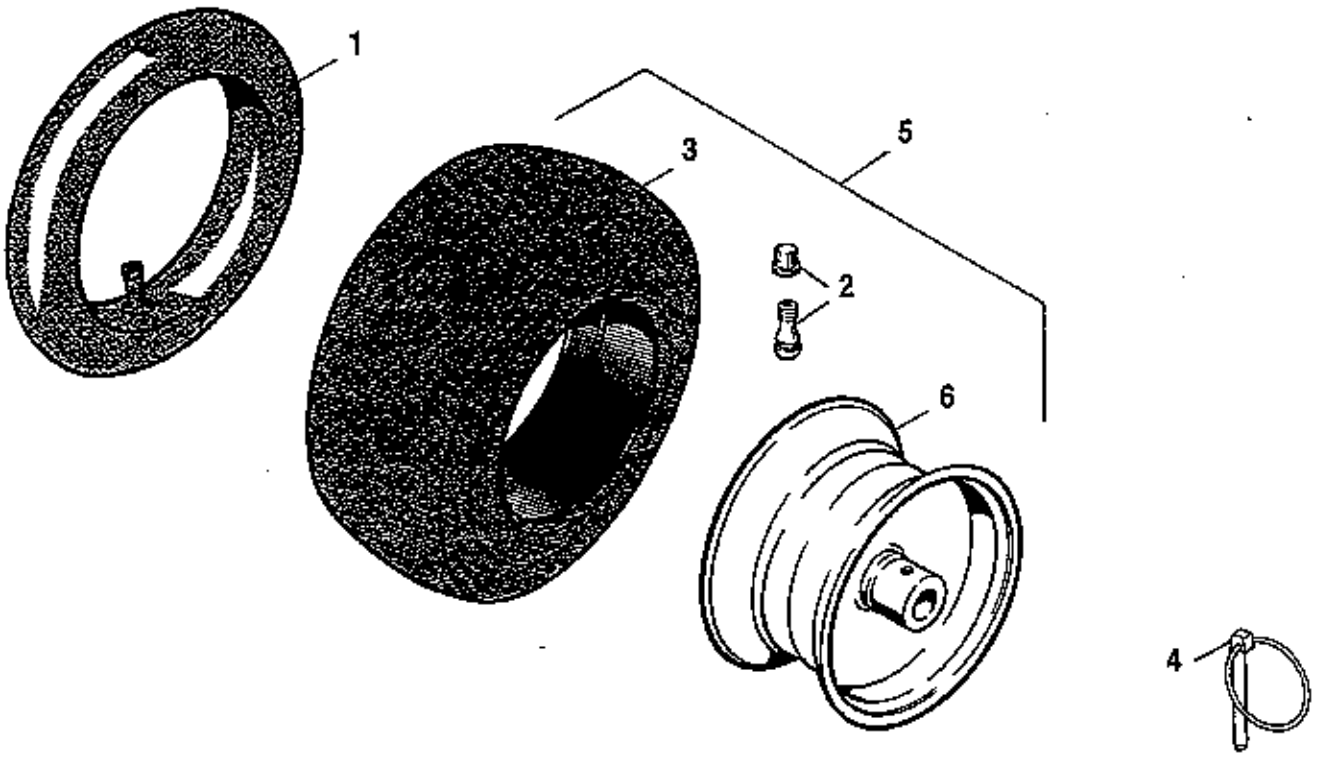
REF. NO.	PART NO.	QTY.	DESCRIPTION
1	108202	1	BEARING, Ball
2	177434	2	SKID
3	960210	1	WASHER, Nylon
4	1612184	1	HOUSING ASSY. (8-60)
5	1612455	1	GUARD, Chute
6	1665980	2	BEARING, Auger
7	1665982	1	RETAINER, Bearing
8	1666613	3	HOLD DOWN, Chute
9	1667865	3	SPRING
10	1668639	2	CAP, Bearing
11	1670578	1	KNOB, w/5/16-18 Thd. Insert
12	1704161	1	CHUTE DEFLECTOR ASSY.
13	1706085	2	SEAL, Chute
14	1709946	1	BLADE, Scraper (8-60)
15	1916950	4	NUT, Hex, 3/8-16
16	1916965	4	LOCKWASHER, 3/8
17	1917356	3	LOCKWASHER, 5/16
18	1919326	1	WASHER, 11/32
19	1923325	6	CAPSCREW, Hex, Flange, Whizlock, 5/16-18 x 7/8
20	1923362	6	NUT, Hex, Center Lock, 5/16-18
21	1924940	5	WASHER, Flat, 13/32
22	1925205	3	CAPSCREW, Hex Hd., 5/16-18 x 5/8
23	1930659	3	NUT, Retainer, 5/16-18
24	1931332	5	CARRIAGE BOLT, 5/1 6-18 x 5/8
25	1931333	2	CARRIAGE BOLT, 5/16-18 x 3/4
26	1931348	4	CARRIAGE BOLT, 3/8-16 x 3/4
27	1935048	5	LOCKNUT, Flange, 5/16-18
28	1960001	3	SCREW, Hex, Washer Hd.,10-14 x 5/8
29	1960126	2	PUSH NUT, 1/4



NOTE: Unless noted otherwise, use the standard hardware torque specification chart (see table of contents).

REF. NO.	PART NO.	QTY.	DESCRIPTION
1	118118	2	SEAL
2	118315	2	WASHER, Thrust
3	168111	1	WASHER, Thrust
4	918312	3	KEY, Woodruff, 3/16 x 5/8
5	921133	2	GREASE FITTING
6	930246	1	KEY, Woodruff, 1/4 x 3/4
7	936098	1	PIN, Drivelok, 3/16 x 1-1/2
8	1612093	1	SEAL, Oil
9	1612111	1	TUBE (used on 8-70, 9-70 & 10-80 only)
10	1612117	1	SHAFT, Auger
11	1612124	1	GASKET
12	1612127	1	COLLAR, Thrust
13	1612129	1	SHAFT, Worm
14	1612130	1	AUGER ASSY., LH, 8-60
15	1612131	1	AUGER ASSY., RH, 8-60
16	1612132	1	AUGER ASSY., LH, 8-70, 9-70
17	1612133	1	AUGER ASSY., RH, 8-70, 9-70
18	1612134	1	AUGER ASSY., LH, 10-80
19	1612135	1	AUGER ASSY., RH, 10-80
20	1612136	1	CASE, Gear, LH
21	1612137	1	CASE, Gear, RH
22	1612141	1	GEAR, Worm
23	1612142	1	GEAR, Rolled Worm
24	1612149	2	BUSHING, Flange
25	1612187	1	IMPELLER ASSY.
26	1668344	2	PIN, Shear
27	1668971	1	PLUG, Pipe, Tapered, 1/8
28	1679293	1	PULLEY, Auger Input
29	1918447	2	PIN, Cotter, 3/32 x 3/4
30	1923358	6	LOCKNUT, Hex, 1/4-20
31	1928721	2	SETSCREW, Sq. Hd., 5/16-18 x 1/2
32	1960346	6	CAPSCREW, Hex Hd., 1/4-20 x 7/8
33	1960474	1	SETSCREW, Sq. Hd., 3/8-16x 1/2

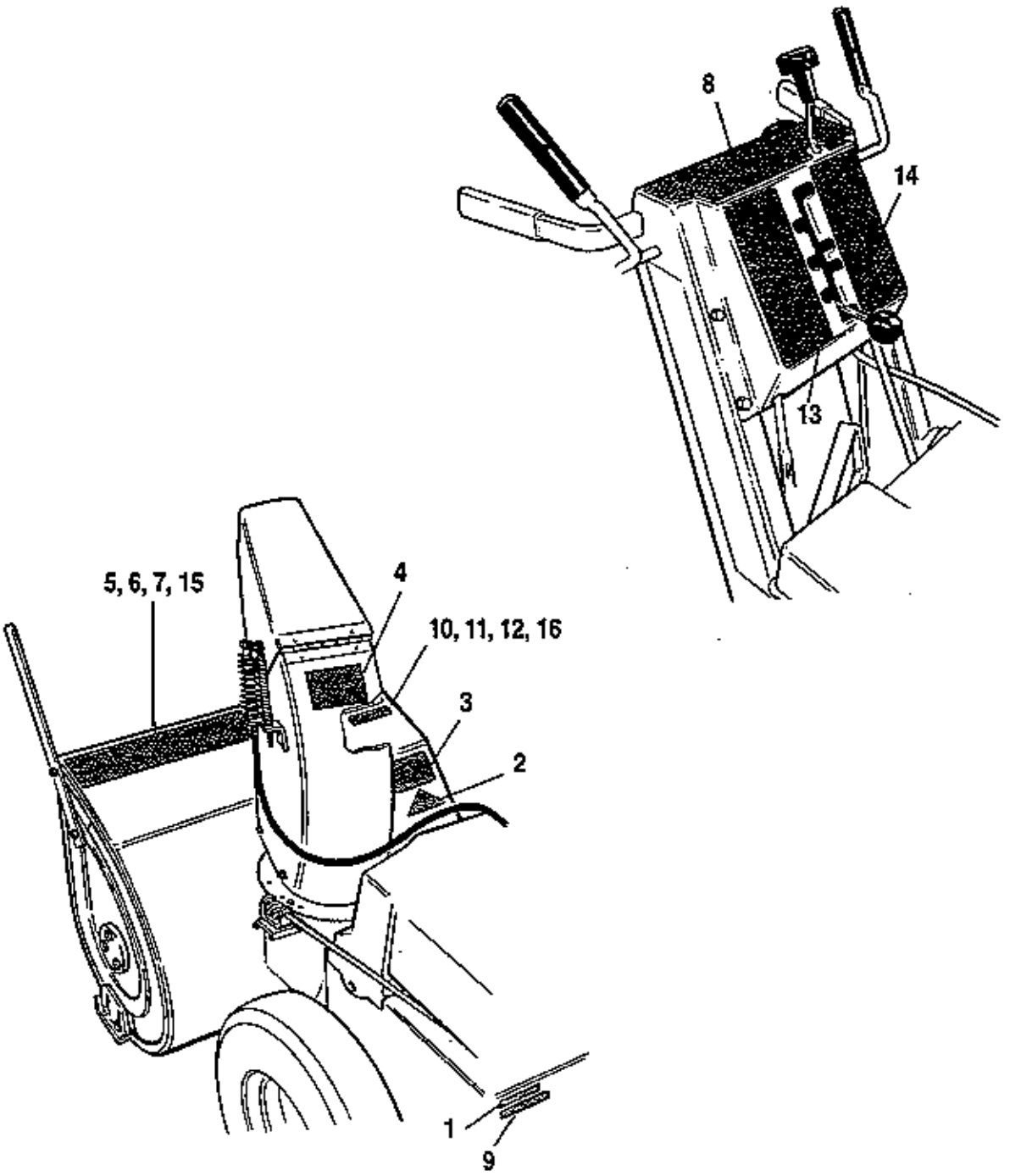
NOTE: Use only Simplicity Cold Weather Special Worm Gear Oil In Worm Gear Housing. Single 8 Oz. Bottle, P/N 1704636; Case of 12 - 8 Oz. Bottles, P/N 1685406



NOTE: Unless noted otherwise, use the standard hardware torque specification chart (see table of contents).

Tires & Wheels

REF. NO.	PART NO.	QTY.	DESCRIPTION
1	153038	2	TUBE, 4.80/4.00-8
2	172353	2	VALVE STEM & CAP
3	1612000	2	TIRE, Snow Hog
4	1666969	2	PIN, Klik
5	1714235	2	WHEEL & TIRE ASSY. (incl. Ref. Nos. 2, 3 & 6)
6	1714242	2	WHEEL ASSY. (Metallic Grey)


8
14
13
5, 6, 7, 15
4
10, 11, 12, 16
3
2
1
9

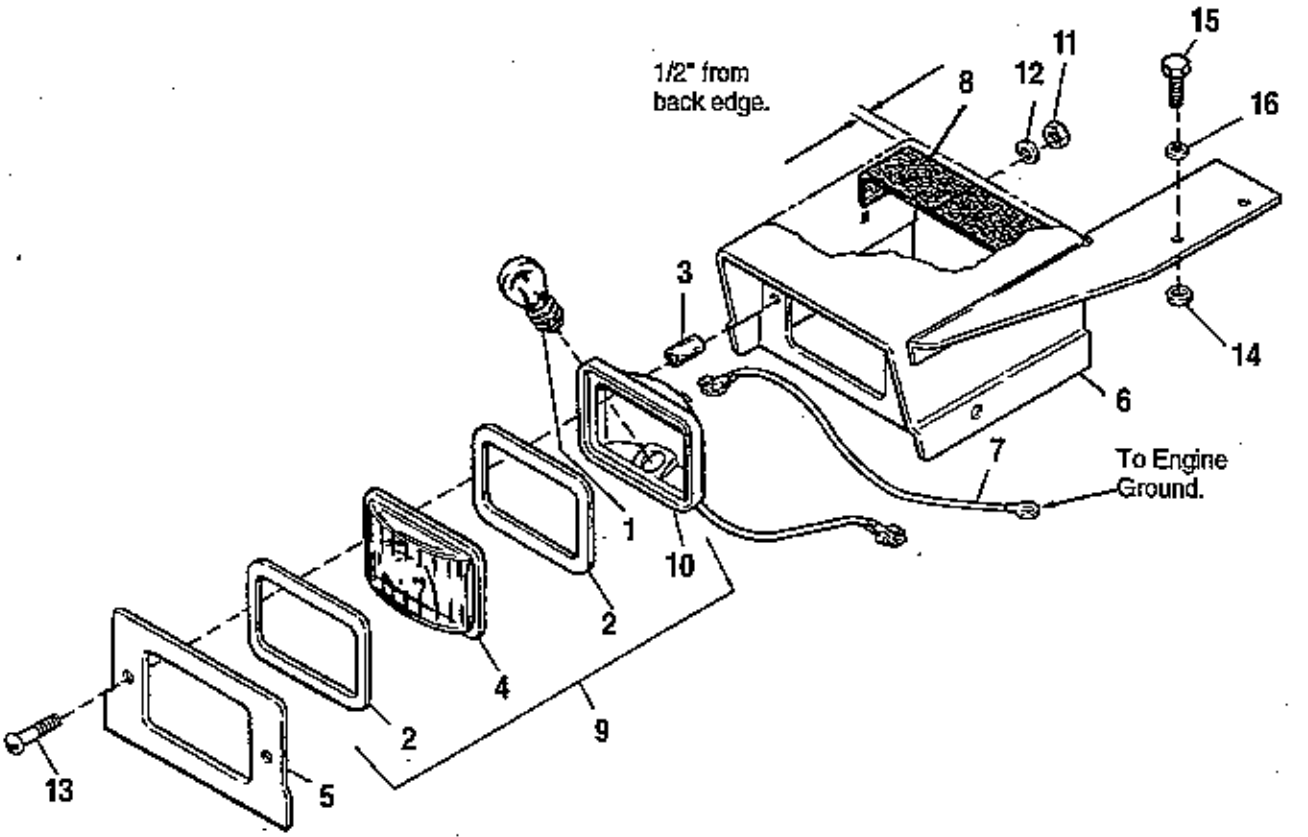
Decals

REF. NO.	PART NO.	QTY.	DESCRIPTION
1		1	I.D. Tag (Not Serviced)
2		1	DECAL, OPEI (Not Serviced)
3	1677485	1	DECAL, Danger, Auger
4	1677488	1	DECAL, Danger, Blower
5	1704624	1	DECAL, Auger, Simplicity Logo, 8-60
6	1704381	1	DECAL, Auger, Simplicity Logo, 8-70
7	1704382	1	DECAL, Auger, Simplicity Logo, 10-80
8	1705905	1	DECAL, Dash
9	1709061	1	DECAL, Touch Up Paint
10	1714104	1	DECAL, Auger, 10-80
11	1714105	1	DECAL, Auger, 8-70
12	1714106	1	DECAL, Auger, 8-60
13	1714245	1	DECAL, Shift Pattern, RH
14	1714246	1	DECAL, Shift Pattern, LH
15	1714842	1	DECAL, Auger, Simplicity Logo, 9-70
16	1714872	1	DECAL, Auger, 9-70

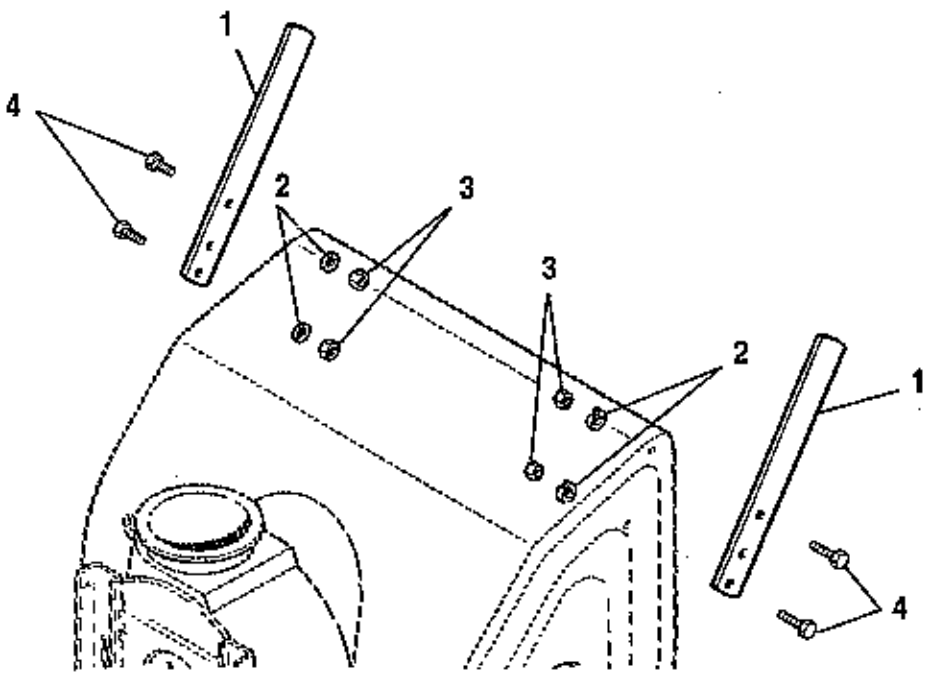
Ref. No. 4

Ref. No. 5

Headlight Group



Drift Cutter Kit (Optional)



NOTE: Unless noted otherwise, use the standard hardware torque specification chart (see table of contents).

Mfg. No. 1686665

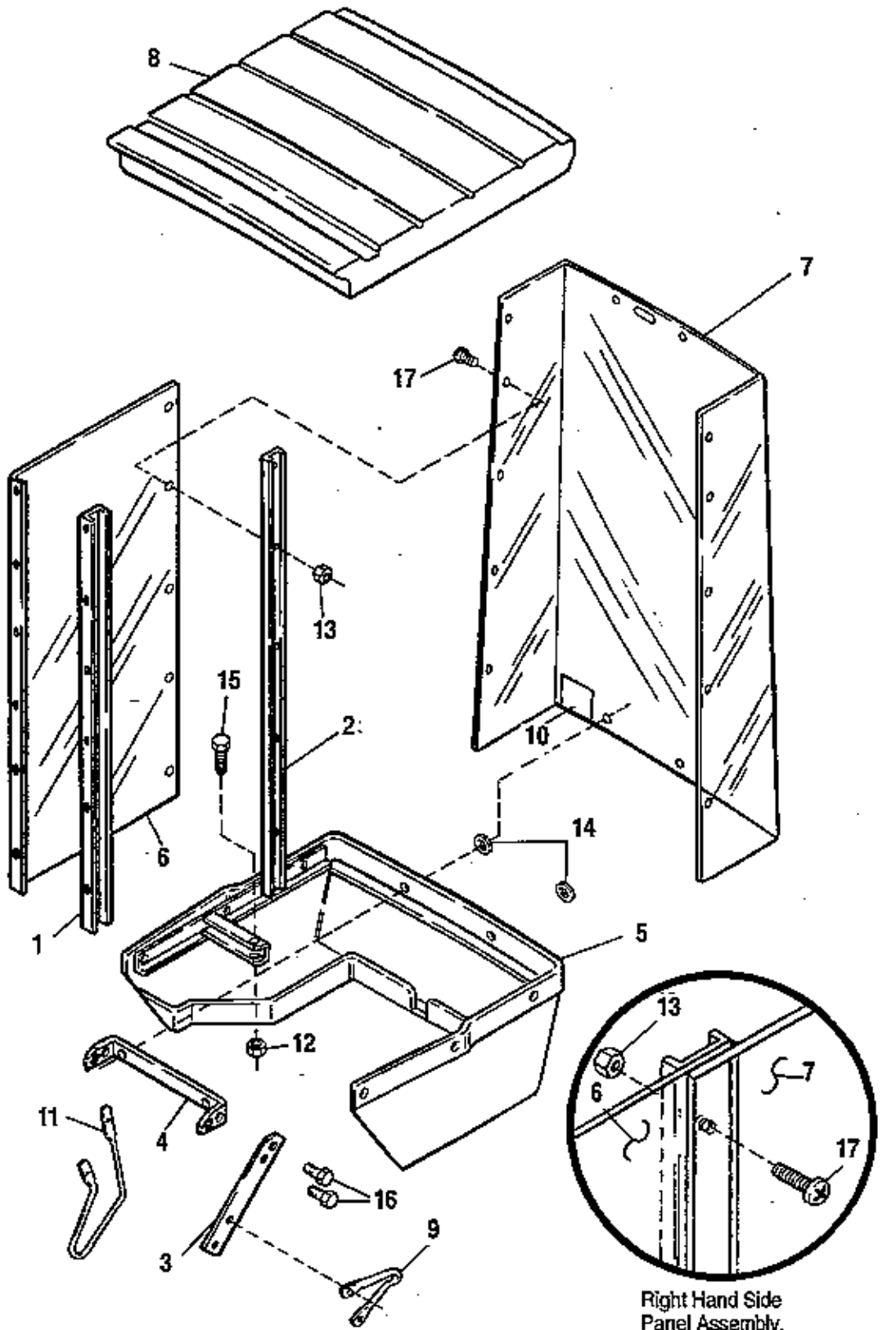
Headlight Group (Optional - available for use on 8-70, 9-70 & 10-80)

REF. NO.	PART NO.	QTY.	DESCRIPTION
1		1	BULB, #1141 (Obtain locally)
2	1654662	2	GASKET
3	1664792	2	SPACER
4	1668721	1	LENS, Amber
5	1668728	1	SUPPORT, Light
6	1668738	1	COVER ASSY., Headlight
7	1668762	1	WIRE, Light to Ground
8	1668830	1	PAD, Rubber
9	1704176	1	LIGHT ASSY. (Incl. Ref. Nos1,.2, 4, & 10)
10	1704177	1	SOCKET, Reflector
11	1916622	2	NUT, Hex, 1/4-20
12	1916964	2	LOCKWASHER, 1/4
13	1917451	2	SCREW, Round Hd., 1/4-20 x 1
14	1919381	4	WASHER, Plain, 5/16 x 1" O.D.
15	1921333	2	CAPSCREW, Hex Hd., 5/16-18 x 1
16	1923300	2	LOCKWASHER, Internal Tooth, 5/16

Mfg. No. 1685189

Drift Cutter Kit (Optional)

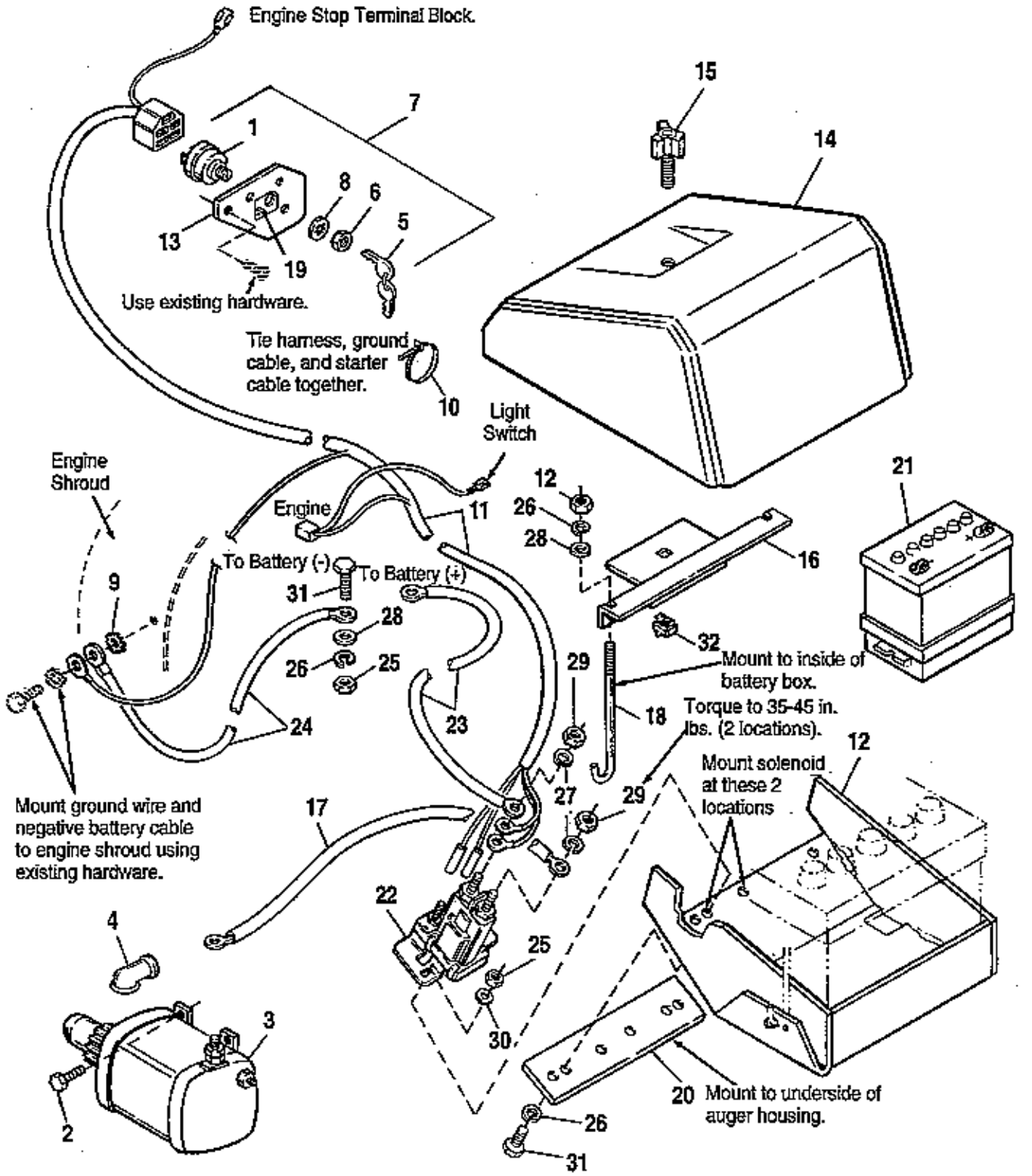
REF. NO.	PART NO.	QTY.	DESCRIPTION
1	1668171	2	CUTTER, Drift
2	1917356	4	LOCKWASHER, 5/16
3	1917372	4	NUT, Hex, 5/16-18
4	1921332	4	CAPSCREW, Hex Hd., 5/16-18 x 3/4



Right Hand Side Panel Assembly.

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

REF. NO.	PART NO.	QTY.	DESCRIPTION
1	1611730	2	CHANNEL, Side
2	1611731	1	SUPPORT ASSY., LH
	1611732	1	SUPPORT ASSY., RH (not shown)
3	1668851	2	SUPPORT, Side
4	1668852	1	SUPPORT, Front
5	1668869	1	SHROUD, Lower
6	1668884	2	PANEL, Side
7	1668886	1	PANEL, Front
8	1668887	1	COVER, Top
9	1669090	1	GUIDE, Rope
10	1669127	1	DECAL, Cleaning Instructions
11	1669150	2	ROD, Skid
12	1919438	2	LOCKNUT, Nylon, 5/16-18
13	1920397	37	LOCKNUT, Nylon, 1/4-20
14	1921319	3	WASHER, Flat, 1/4
15	1922127	2	CAPSCREW, Hex Hd., 5/16-18 x 1-3/4
16	1923341	4	CAPSCREW, Hex Hd., 1/4-20 x 3/4
17	1935945	33	SCREW, Phillips Truss Hd., 1/4-20 x 3/4



NOTE: Unless noted otherwise, use the standard hardware torque specification chart (see table of contents).

Mfg. No. 1691724 (Used on 10-80 model)

12 Volt Starter

REF. NO.	PART NO.	QTY.	DESCRIPTION
1		1	SWITCH (not serviced separately, order Ref. No.7)
2	*	4	SCREW (not serviced)
3	*	1	MOTOR, Starter (not serviced)
4	122023	1	COVER, Terminal
5	122203	1	KEY, Set of Two
6	122234	1	NUT, Special
7	178280	1	SWITCH, w/Key (Incl. Ref. Nos.1, 5, 6 & 12)
8	918906	1	LOCKWASHER, Int. Tooth, 5/8 (Zinc Pltd.)
9	920426	1	LOCKWASHER, Ext. Tooth 5/16 (Zinc Pltd.)
10	932747	1	TIE, Wrap
11	1612065	1	HARNESS, Wiring
12	1668731	1	SUPPORT ASSY., Battey,
13	1668743	1	BRACKET, Key Switch
14	1668756	1	COVER
15	1668777	1	KNOB
16	1668795	1	HOLD DOWN ASSY., Battery
17	1668819	1	WIRE, Solenoid to Starter, 25"
18	1668820	2	J-HOOK
19	1668905	1	DECAL, Key Switch
20	1671022	1	PLATE, Reinforcement
21	1685215	1	BATTERY, (Not included with kit)
22	1685290	1	SOLENOID
23	1701522	1	CABLE, Battery to Ground, 38"
24	1707056	1	WIRE, Battery to Solenoid, 15"
25	1916622	8	NUT, Hex, Full, 1/4-20 (Zinc Pltd.)
26	1916964	8	LOCKWASHER, 1/4 (Zinc Pltd.)
27	1917356	2	LOCKWASHER, 5/16 (Zinc Pltd.)
28	1917377	4	WASHER, Flat,1/4
29	1920263	2	NUT, Hex, Full, 5/16-24 (Zinc Pltd.)
30	1921319	2	WASHER,1/4
31	1923341	6	CAPSCREW, Hex,1/4-20 x 3/4 (Zinc Pltd.)
32	1930659	1	NUT, Cage, Tinnerman, 5/16-18

*** For service of this part, contact your local Tecumseh dealer.**

Part No.	Ref. No. & Page No.	Part No.	Ref. No. & Page No.	Part No.	Ref. No. & Page No.	Part No.	Ref. No. & Page No.
108202	1-19	1611945	8-19	1665994	8-3	1668171	1-29
108202	1-21	1611989	9-19	1665994	8-5	1668174	15-5
108775	1-7	1612000	3-25	1665995	9-15	1668185	14-7
108775	1-11	1612065	11-33	1666001	9-3	1668185	14-11
108775	1-13	1612084	4-15	1666001	9-5	1668185	14-13
118118	1-23	1612086	5-15	1666105	10-15	1668186	15-7
118315	2-23	1612093	8-23	1666106	11-15	1668186	1511
122023	4-33	1612111	9-23	1666109	10-5	1668186	15-13
122203	5-33	1612117	10-23	1666114	12-15	1668187	16-7
122234	6-33	1612124	11-23	1666207	13-15	1668187	16-11
153038	1-25	1612127	12-23	1666230	14-15	1668187	16-13
157081	3-3	1612129	13-23	1666255	8-7	1668188	17-7
157081	3-5	1612130	14-23	1666255	8-11	1668188	17-11
168111	3-23	1612131	15-23	1666255	8-13	1668188	17-13
172353	2-25	1612132	16-23	1666256	9-7	1668189	18-7
177434	2-19	1612133	17-23	1666256	9-11	1668189	18-11
177434	2-21	1612134	18-23	1666256	9-13	1668189	18-13
178280	7-33	1612135	19-23	1666374	10-3	1668255	25-15
916168	2-7	1612136	20-23	1666374	11-5	1668344	26-23
916168	2-11	1612137	21-23	1666379	15-15	1668477	12-3
916168	2-13	1612141	22-23	1666425	16-15	1668477	16-5
916950	1-15	1612142	23-23	1666613	16-19	1668524	19-7
916965	2-15	1612149	24-23	1666613	8-21	1668524	19-11
918312	3-15	1612160	6-15	1666655	12-5	1668524	19-13
918312	4-23	1612165	6-7	1666855	17-15	1668525	20-11
918906	3-19	1612165	6-11	1666969	4-25	1668525	20-13
918906	8-33	1612165	6-13	1666980	18-15	1668526	20-7
920426	4-3	1612167	7-7	1667330	19-15	1668526	21-11
920426	4-5	1612167	7-11	1667331	20-15	1668526	21-13
920426	9-33	1612167	7-13	1667335	21-15	1668608	21-7
921133	523	1612184	4-21	1667340	22-15	1668608	22-11
928704	3-7	1612185	10-19	1667341	23-15	1668608	22-13
928704	3-1	1612186	11-19	1667501	24-15	1668639	19-19
928704	3-13	1612187	25-23	1667516	11-3	1668639	10-21
930246	6-23	1612200	5-3	1667516	13-5	1668721	4-2
932747	4-19	1612200	5-5	1667588	10-7	1668728	5-29
932747	10-33	1612440	12-19	1667588	10-11	1668731	12-33
933126	5-19	1612455	13-19	1667588	10-13	1668738	6-29
936098	7-23	1612455	5-21	1667700	14-5	1668743	13-33
960210	6-19	1612458	6-3	1667800	11-7	1668756	14-33
960210	3-21	1612458	6-5	1667800	11-11	1668762	7-29
1611730	1-31	1654662	2-29	1667800	11-13	1668777	15-33
1611731	2-31	1664792	3-29	1667865	17-19	1668795	16-33
1611732	2a-31	1664847	7-3	1667865	9-21	1668819	17-33
1611910	4-7	1664847	7-5	1668050	12-7	1668820	18-33
1611910	4-11	1665521	7-15	1668050	12-11	1668830	8-29
1611910	4-13	1665975	8-15	1668050	12-13	1668851	3-31
1611911	5-7	1665980	14-19	1668121	13-7	1668852	4-31
1611911	5-11	1665980	6-21	1668121	13-11	1668869	5-31
1611911	5-13	1665982	15-19	1668121	13-13	1668884	6-31
1611939	7-19	1665982	7-21	1668171	18-19	1668886	7-31

Index

Part No.	Ref. No. & Page No.	Part No.	Ref. No. & Page No.	Part No.	Ref. No. & Page No.	Part No.	Ref. No. & Page No.
1668887	8-31	1701783	21-3	1706030	22-5	1917356	2-29
1668905	19-33	1701818	22-3	1709061	9-27	1917356	27-33
1668971	27-23	1701849	23-3	1709946	14-21	1917372	45-9
1669090	9-31	1701996	26-7	1709947	26-19	1917372	37-15
1669127	10-31	1702004	27-7	1709948	27-19	1917372	31-19
1669150	11-31	1702017	24-3	1713844	38-7	1917372	3-29
1669198	13-3	1702219	20-19	1713844	34-11	1917377	28-33
1669198	17-5	1702425	25-3	1713844	34-13	1917451	13-29
1669255	26-15	1702485	28-7	1714084	39-7	1918249	33-3
1669256	27-15	1702552	29-7	1714084	35-11	1918249	24-5
1669323	23-11	1702662	30-7	1714084	35-13	1918447	46-9
1669323	23-13	1702663	31-7	1714104	10-27	1918447	29-23
1670578	11-21	1702969	26-3	1714105	11-27	1918451	34-3
1670849	28-15	1702970	27-3	1714106	12-27	1918451	25-5
1671022	20-33	1702979	28-3	1714120	40-7	1918451	38-15
1671041	22-7	1703043	32-7	1714120	36-11	1918452	47-9
1671041	24-11	1703046	29- 3	1714120	36-13	1919326	35-3
1671041	24-13	1703046	21-5	1714235	5-25	1919326	26-5
1672129	14-3	1704161	12-21	1714242	6-25	1919326	48-9
1672595	29-15	1704176	9-29	1714245	13-27	1919326	39-15
1672732	15-3	1704177	10-29	1714246	14-27	1919326	32-19
1672732	18-5	1704255	33-7	1714842	15-27	1919326	18-21
1672735	16-3	1704255	29-11	1714872	16-27	1919381	49-9
1672735	19-5	1704255	29-13	1916621	41-9	1919381	14-29
1672775	30-15	1704381	6-27	1916621	37-11	1919438	40-15
1674567	25-11	1704382	7-27	1916621	37-13	1919438	12-31
1674567	25-13	1704624	5-27	1916622	42-9	1920263	29-33
1677453	23-7	1705825	34-7	1916622	38-11	1920397	50-9
1677453	26-11	1705825	30-11	1916622	38-13	1920397	13-31
1677453	26-13	1705825	30-13	1916622	11-29	1921159	51-9
1677485	3-27	1705897	33-15	1916622	25-33	1921221	52-9
1677488	4-27	1705898	35-7	1916950	28-19	1921319	53-9
1677985	21-19	1705898	31-11	1916950	15-21	1921319	33-19
1678579	24-7	1705898	31-13	1916964	43-9	1921319	14-31
1678579	27-11	1705899	36-7	1916964	39-11	1921319	30-33
1678579	27-13	1705899	32-11	1916964	39-13	1921332	41-17
1678956	31-15	1705899	32-13	1916964	35-15	1921332	34-19
1679293	28-23	1705905	8-27	1916964	12-29	1921332	4-29
1685215	21-33	1705920	21-19	1916964	26-33	1921333	42-17
1685290	22-33	1706085	22-19	1916965	31-3	1921333	15-29
1685366	17-3	1706085	13-21	1916965	29-19	1921515	36-3
1700473	32-15	1706200	23-19	1916965	16-21	1921515	27-5
1701257	18-3	1706201	24-19	1917356	32-3	1921959	43-17
1701342	25-7	1707002	34-15	1917356	23-5	1921969	37- 3
1701342	28-11	1707056	24-33	1917356	44-9	1921969	28-5
1701342	28-13	1707452	37-7	1917356	40-11	1921971	38-3
1701522	23-33	1707452	33-11	1917356	40-13	1921971	29-5
1701595	19-3	1707452	33-13	1917356	36-15	1922014	35-19
1701595	20-5	1708008	25-19	1917356	30-19	1922127	39-3
1701776	20-3	1708030	30-3	1917356	17-21	1922127	30-5

Part No.	Ref. No. & Page No.	Part No.	Ref. No. & Page No.	Part No.	Ref. No. & Page No.	Part No.	Ref. No. & Page No.
1922127	54-9	1931277	49-3				
1922127	44-17	1931277	38-5				
1922127	15-31	1931277	63-9				
1922755	40-3	1931317	64-9				
1923300	16-29	1931332	41-19				
1923325	36-19	1931332	24-21				
1923325	19-21	1931333	65-9				
1923341	16-31	1931333	42-19				
1923341	31-33	1931333	25-21				
1923358	30-23	1931348	43-19				
1923362	41-3	1931348	26-21				
1923362	55-9	1935048	44-19				
1923362	37-19	1935048	27-21				
1923362	20-21	1935255	50-3				
1923701	45-17	1935255	39-5				
1924361	56-9	1935450	66-9				
1924856	46-17	1935945	17-31				
1924940	42-3	1960001	45-19				
1924940	31-5	1960001	28-21				
1924940	57-9	1960093	67-9				
1924940	47-17	1960126	46-19				
1924940	38-19	1960126	29-21				
1924940	21-21	1960345	51-3				
1925003	58-9	1960346	32-23				
1925205	48-17	1960348	52-17				
1925205	39-19	1960353	53-17				
1925205	22-21	1960471	68-9				
1926018	43-3	1960474	33-23				
1926018	32-5	1960499	47-19				
1927428	44-3	8021010	54-17				
1927428	33-5	8221042	40-5				
1927429	59-9						
1927557	45-3						
1927557	34-5						
1928721	49-17						
1928721	50-17						
1928721	31-23						
1928731	46-3						
1928731	35-5						
1928732	60-9						
1930540	36-5						
1930570	51-17						
1930591	47-3						
1930591	37-5						
1930591	61-9						
1930594	62-9						
1930595	48-3						
1930659	40-19						
1930659	23-21						
1930659	32-33						

TORQUE SPECIFICATIONS FOR STANDARD MACHINE HARDWARE
(Tolerance ± 20%)

SIZE	SAE GRADE #2		SAE GRADE #5		SAE GRADE #8	
	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.
8-32	19	2.1	30	3.4	41	4.6
8-36	20	2.3	31	3.5	43	4.9
10-24	27	3.1	43	4.9	60	6.8
10-32	31	3.5	49	5.5	68	7.7
1/4-20	66	7.6	8	10.9	12	16.3
1/4-28	76	8.6	10	13.6	14	19.0
5/16-18	11	15.0	17	23.1	25	34.0
5/16-24	12	16.3	19	25.8	27	34.0
3/8-16	20	27.2	30	40.8	45	61.2
3/8-24	23	31.3	35	47.6	50	68.0
7/16-14	30	40.8	50	68.0	70	95.2
7/16-20	35	47.6	55	74.8	80	108.8
1/2-13	50	68.0	75	102.0	110	149.6
1/2-20	55	74.8	90	122.4	120	163.2
9/16-12	65	88.4	110	149.6	150	204.0
9/16-18	75	102.0	120	163.2	170	231.2
5/8-11	90	122.4	150	204.0	220	299.2
5/8-18	100	136	180	244.8	240	326.4
3/4-10	160	217.6	260	353.6	386	525
3/4-16	180	244.8	300	408.0	420	571.2
7/8-9	140	190.4	400	544.0	600	816.0
7/8-14	155	210.8	440	598.4	660	897.6
1-8	220	299.2	580	788.8	900	1,244.0
1-12	240	326.4	640	870.4	1,000	1,360.0

NOTES

1. These torque values are to be used for all hardware excluding: locknuts, self-tapping screws, thread forming screws, sheet metal screws and socket head setscrews.
2. Recommended seating torque values for locknuts:
   a. for prevailing torque locknuts - use 65% of grade 5 torques.
   b. for flange whizlock nuts and screws - use 135% of grade 5 torques.
3. Unless otherwise noted on assembly drawings, all torque values must meet this specification.

Simplicity

Outdoor Power Equipment

500 N. Spring Street, P.O. Box 997 • Port Washington, WI 53074-0997

TP-1404
Printed In US
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